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# Commercial Feeding-Stuffs

Successful feeding of farm animals from an economic viewpoint involves the providing of an abundant supply of palatable, nutritious feed in such a way as to secure maximum production at minimum cost for feed consumed. Successful farmers buy feeds on analysis and on the basis of carefully conducted feeding experiments.

This bulletin is published in order that feed buyers may have accurate chemical information regarding feeds purchased from January 1, 1924, to January 1, 1925.

FEED INSPECTION SERVICE
Controlled by
UNIVERSITY OF MARYLAND
COLLEGE PARK, MD.

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# COMMERCIAL FEEDING-STUFFS

JANUARY 1, 1924—JANUARY 1, 1925.

Compiled and edited under the supervision and direction of N. E. Gordon,
State Chemist, and L. E. Bopst, Chemist in Charge of
Feed, Fertilizer and Lime Departments.

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The inspection, analysis and control work of the fertilizer and feed trade is carried on by the State Department, but the State Department is so related to the chemical work of the University that the other men of the Chemical Staff who are mentioned below may be called on for help in time of need; and furthermore, it is the purpose of the majority of this Chemical Staff to be carrying on some investigations which bear directly or indirectly on the properties of feeds, fertilizers and lime.

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# INTRODUCTION

The duties of the Feed Inspection Department, as set forth in the State Feed Law, consist in the registration of brands to be offered for sale; the inspection of methods of labelling and selling; the collection and analysis of official samples; and the publication of the results obtained. This bulletin constitutes a report of the work performed from January 1, 1924, to January 1, 1925, and contains a record of the analyses of official samples obtained during that period.

During the course of the past year Official Inspectors collected 1,226 samples of commercial feeding stuffs covered by approximately 1,089 Licenses. The samples were selected from dealers and selling agents in nearly every town and city in Maryland. Of the 1,226 samples secured, 25 were either evidence samples, or from shipments previously analyzed. The remaining 1,201 samples were subjected to a complete analysis and the results compared with the guaranty of the manufacturer. Individual reports were made to the dealer, manufacturer, and when possible the consumer.

## Operation of the Law

While the majority of Feeds have been marketed in compliance with the Law, we regret to note that our reports show a larger number of deficiencies for the year just past than has come to our attention during any similar period in recent years.

Forty-nine deficiencies, representing feeds shipped into Maryland were referred to the officials enforcing the Federal Food and Drug Act for appropriate action. It has been said that there were more of these cases from Maryland than from any other State in the Union. This is not because conditions here are worse than in other localities, but may be accounted for in part by the fact that our State is geographically small and our Inspectors have little difficulty in securing samples of a large proportion of the shipments received.

Some local manufacturers have also been found guilty of shipping misbranded and adulterated feeds. This has resulted in the prosecution of the parties responsible for the sale of same, and in several instances where constructive criticisms were ignored, in the revocation of licenses.

Approximately ten per cent of the total samples taken represented shipments of brands found offered for sale which had not been registered as required by Law. Feed manufacturers are expected to satisfy registration requirements before feed is shipped. Failure to do so precipitates a condition that is not pleasant

for any of the parties concerned. The retailer (unless he personally guarantees the payment of the fee) is required to withdraw the product from sale until the manufacturer has been afforded an opportunity to register. However, we can say that occurrences of this nature are decreasing, and it is hoped that when the requirements are more thoroughly understood there will be a lessening tendency to ship without licensing.

Where deficient feed was found already sold, and manufacturers notified to this effect, they have in many instances made refunds to the dealers, and through the dealers to the consumers. Within the past year approximately $547.00 has been rebated feed consumers for deficient feeds. Although this practice often shows the good intention of the manufacturer, it will have no bearing on any subsequent action which may be taken in cases of violation of the Law.

## Changes in Feed Law in 1924

A consideration of the brand tax upon certain pure feeds resulted in legislative action, in effect June 1, 1924, which eliminated entirely the license fee upon pure wheat bran, pure wheat middlings, pure wheat mixed feed; pure rye bran, pure rye middlings, pure rye mixed feed; pure buckwheat bran, pure buckwheat middlings, pure buckwheat feed; pure corn and oat chop, pure corn bran, pure corn meal when sold as a feeding-stuff.

This Department holds that pure wheat bran, pure wheat middlings, and pure wheat mixed feed are those by-products obtained in the commercial milling of wheat flour from clean wheat. The addition of any materials to these products, such as screenings, chaff, weed seeds, etc., or any substances that have not passed through the rolls in the flour making process render these by-products no longer pure. Similar standards of purity are also in effect for the various other products exempted. While this legislative action discriminates in favor of those manufacturers who are selling pure products, and actually places a premium upon the manufacture of the same, it should not be taken as an indication that the feeding value of screenings is not appreciated. When the feeds mentioned above contain screenings, chaff, etc., they are no longer pure, and the brand tax of $20. is in effect.

## Illegal Practices Encountered

Considering the volume of feed sold annually in the State of Maryland, comparatively few major violations of the Feed Law are committed.

The infraction most frequently encountered by this Department is protein deficiency in concentrates, such as cottonseed meal, linseed meal, peanut meal, and meat meal. These cases have been dealt with as described elsewhere in this publication.

## Short Weight

A number of instances of shortage in weight have also been discovered. Some manufacturers had been filling their sacks to 100 pounds gross weight, rather than 100 pounds net, as required in Section 81, of the Maryland Feed Law. In a few cases even greater shortages were found. One shipment investigated averaged less than 99 pounds gross per sack. Steps were immediately taken to rectify such deficiencies and prevent their recurrence.

## Misbranding and Adulteration

Misbrandings, adulterations and substitutions, although not relatively numerous, included a wide range of offenses.

## Adulteration of Middlings

Middlings are sometimes adulterated with finely ground bran when the differential in price between these two commodities renders such procedure profitable. Miscropic examination, however, readily detects this practice. This Department has encountered and dealt with several violations of this nature on the part of Maryland millers during the past year.

## Adulteration of Corn Feed Meal

Corn feed meal is the by-product obtained in the manufacture of cracked corn, with or without aspiration products added to the siftings. This name is also correctly applied to the by-product obtained in the manufacture of table meal from the whole grain by the non-degerminating process. The addition to corn feed meal, of cob meal, or materials that are removed in cleaning the corn, or an excessive amount of corn bran constitutes an adulteration. The State Feed Department last year encountered and stopped this practice on the part of several manufacturers.

## Corn and Oat Chop

Corn and oat chop should consist exclusively of the whole, sound grains of corn and oats, ground or chopped. Mixtures to which oat by-products have been added or in which corn feed meal has been substituted for corn chop do not constitute corn and oat chop and must not be offered for sale as such.

## Spurious Barley Feeds

One very flagrant example of misrepresentation was detected in the case of a shipment of feed purporting to be ground barley. It actually contained about 25% of barley, the remainder being made up of various substitutes. The manufacturer made resti-

tution to the buyer. In another instance it developed that an alleged corn, oat and barley chop contained no barley whatever, wheat by-products and rye having been substituted. These practices were immediately stopped.

### Misleading Nomenclature

Another reprehensible practice, but one which seeks to remain within the letter of the Law, is that of prominently proclaiming an ingredient which is actually present only in minute quantities. Some "alfalfa horse feeds" have been found to contain insufficient alfalfa to warrant use of that term. At present there is no official ruling on this point but the general trade sentiment is that such mixtures should contain at least 10% of alfalfa if they are to be called alfalfa feeds.

### Viable Weed Seeds

The use of grain screenings and similar by-products in mixed feed is entirely proper when their presence is declared, and when they have been finely enough ground to destroy the germinating powers of the weed seeds which they frequently contain. The use of unground screenings or other by-products containing viable weed seeds, however, should be discouraged. The whole weed seeds generally pass uninjured through the animal digestive tract and are returned to the soil with the manure. One horse feed inspected last year was found to contain as much as 4% of viable weed seeds.

### Substitution for Meat Scrap

A certain laying mash guaranteed to contain as one of the ingredients 55% meat scraps was found, on examination, to contain, instead, tankage which had been substituted in lieu of meat scrap. The tankage moreover was of a grade more suitable for fertilizer than for feeding. The ingenuity of the substitution is apparent when it is considered that the nitrogenous content of the material was sufficient to give an apparent protein value in the ordinary routine method of analysis which it did not actually possess from the feeding standpoint.

Perhaps it would not be out of order to offer here a few words of explanation of the chemical method for determining protein. Protein is not the name of a definite compound but rather the general group name for a certain class of compounds which occur in living organisms, both plant and animal. These compounds are highly complex and vary somewhat in chemical composition. All of the common proteins, however, contain approximately the same percentage of nitrogen, and since nitrogen occurs in plant and animal tissues only in the form of protein, the determination

of the amount of nitrogen present furnishes an excellent basis for the calculation of the protein content. This procedure is reliable and accurate where legitimate feeding stuffs are concerned, and constitutes the routine method for protein determination.

A tankage of inferior grade, however, contains nitrogenous substances other than proteins which have no feeding value.

For this reason it has been found necessary to supplement chemical analyses with specially devised investigational methods in feed control work.

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It is not our intention to enter into an exhaustive discussion on the subject of the possibilities for feed sophistication for they are almost innumerable. The few examples cited are merely instances encountered by the State Feed Department in the ordinary course of its duties during the year just past.

## Supplementary Feed Stuff Regulations

This Department is frequently the recipient of requests for information concerning the legality of proposed practices in the manufacturing, labelling, and selling of feed. For the purpose of clarifying a number of prevalent uncertainties, the Feed Inspection Service, acting on the authority delegated to it in Section 88-B, of the Feed Stuff Law, has prescribed a number of rules and regulations which have been framed with a view to carrying into effect the full intent and meaning of that Act. These regulations are published herewith for the information and convenience of feed dealers and consumers.

## Name and Application for License

Manufacturers, in filing application for license and giving a certification of anaylsis of feeding stuff, must give the brand name, in the space provided on the application blank exactly as it will be used on each lot or parcel of commercial feeding stuffs sold, offered, or exposed for sale, or distributed within the State.

When a feeding stuff is licensed by a manufacturer under a distinct brand, and distributed exclusively by an agency other than the manufacturer, the application must so state.

## Fees

The license fee required by Law is $20. per brand per calendar year. This should be paid on or before January 1, of each year, or before the feed is exposed for sale. All requests for a reduction of the license fee, when the registrations are in effect for only a part of the calendar year, must be refused.

When the manufacturer pays the fee, the dealer is not required to pay an additional fee; but in case the manufacturer fails to

assume this responsibility, the dealer then becomes liable. Therefore, when purchasing feeds from parties outside the State for resale, dealers should make sure that such feeds have been properly registered and that the license fees have been paid.

### Changing Guarantys

Guarantys either as regard composition or ingredients will be changed only upon written application by the manufacturer, accompanied by an additional statement of the necessity for making such change.

### Statement of Ingredients

The attention of those desiring to register feeds for sale in Maryland is especially directed to Section 81, Article G, regarding the declaration of ingredients. Each and every substance used in compounding the feed must be given in the list of ingredients.

### Net Weight

The Law requires that the net weight of the contents of the package, lot or parcel, be stated on the label. A statement of the gross weight only will be considered a case of misbranding, and will be dealt with accordingly.

### Statement of Guaranteed Analysis

Section 81, Articles D, E and F, is interpreted to mean that only the minimum guarantys for protein and fat, and maximum guaranty for crude fiber may be stated on the labels. The sliding scale of guaranty is prohibited.

### Unlicensed Feed

When any unlicensed commercial feeding stuff, as defined in Section 80, of the Law, is found being offered for sale, the agent or dealer offering the feed for sale will be notified to this effect and advised to remove same from sale until registration requirements are satisfied. Those failing to heed the notice will be reported for violation of the Law.

### Violations in Meeting Guarantys

In the case of misbranded or adulterated shipments, manufacturers will be afforded an opportunity to show cause why they should not be prosecuted. A portion of the official sample will be furnished, if requested. As soon as the deficiency, or adulteration is detected, the dealer or person offering the feed for sale will be notified, and advised to remove same from sale. Those failing to accept this advice will be reported for violation of the Law.

## Rebates

The Maryland Feeding Stuff Law makes no provision for the payment of rebates to cover deficiencies, and although this practice often shows the good intention of the manufacturer, the payment of such rebates will have no bearing on any subsequent action which may be taken in cases of violation of the Law. When rebates are paid, dealers must prorate to the purchasers so that the consumers may receive the benefit.

## Sale of Feed Prohibited

The sale of commercial feeding stuffs in this State is prohibited:

A. When each and every brand has not been properly licensed, and the fee paid as legally required.

B. When the name, or brand, on packages, or bags, differs from that shown on applications for licenses.

C. When the guaranteed analysis and ingredients on packages, or bags, differs from that shown on applications.

## Prosecutions

Original shippers, or manufacturers, of unlicensed, adulterated, or misbranded feeds, will be prosecuted in all cases where it is possible to do so, either under our State Law or through cooperation with the U. S. Department of Agriculture, under the Federal Food and Drug Act. Local dealers, however, are directly responsible under the Law for the feed they offer for sale, and will be held accountable for failure of such feed to meet requirements.

## Discarding or Substituting Samples

All requests for discarding or substituting samples will be refused unless error on the part of the representatives of the Feed Inspection Service can be shown.

## Corn and Oat Feed

When the pure grains of corn and oats are ground together without the admixture of other substances registration is required, but there is no fee involved.

The products resulting from the mixing of corn feed meal with ground oats, or oat by-products, is subject to the provisions of the Law, and the registration fee of $20. is required.

## Oat Feed

This term will not be accepted when used to indicate any material other than whole or ground oats. Mixtures of oat shorts, oat middlings, and oat hulls will not be accepted under this term, and the name of each separate ingredient will be required.

### Wheat Bran with Mill Run Screenings

Wheat bran with mill run screenings is interpreted as meaning bran to which has been added, by a separate process, the whole or a part of the screenings separated from the particular lot of wheat producing the bran. The proportion of screenings may or may not be reduced.

### Wheat Middlings With Mill Run Screenings

Wheat middlings with mill run screenings is interpreted as meaning middlings to which has been added, by a separate process, the whole or a part of the screenings separated from the particular lot of wheat producing the middlings. The proportion of screenings may or may not be reduced.

### Wheat Bran and Wheat Middlings

Wheat bran and wheat middlings that contain "screenings not exceeding mill run" are required to be licensed, and the fee of $20. is in effect.

### Inert Materials

It is permissible to use grit, oyster shells, charcoal or similar materials when compounding poultry feeds, provided that not more than 5% of such inert material is used.

### Second-Hand Bags

There is not objection to the packing of feed in clean second-hand bags. This Department requires, however, that stenciled or printed bags, when so employed, be turned and that the legally required information be affixed thereto. Feed must conform to any and *all* descriptive matter on, or attached to, the container. This is obviously impossible when unturned bags are used, and feed so packed will be considered misbranded, even though tagged with the correct information.

## Discussion of Terms used in Feeds and their Analysis

### Concentrates

Concentrates are feeds such as cottonseed meal, oil meal, peanut meal, fish meal, meat meal, wheat bran, etc., that contain a large proportion of dry matter which is easily digested. These feeds supply much protein per unit weight.

## Roughages

Roughages are feeds such as straw, roots, hay, silage, etc., which may or may not contain considerable water. They are coarse and bulky in nature, and often low in digestibility.

## Ration

Ration is the amount of feed given an animal during period of one day.

## A Balanced Ration

A balanced ration is a ration which gives an animal the proper proportions of nutrients to nourish it properly. The value of such a mixture is very readily understood when one takes into consideration the fact that dairy cows can use only certain elements in certain proportions, and if the ration supplies an overage of any one element this overage is very liable to be wasted.

## Total Digestible Nutrients

Nutrients are those materials which afford nourishment for animals. Total digestible nutrients are the sum of the portions of each nutrient which is assimilated by the body.

## Protein

Protein is the term employed to designate all the compounds of feeding-stuffs containing nitrogenous matter. Proteins occur in both plant and animal tissues. The proteins in feeds should be of such quality as to produce growth and make repairs in the animal's body.

Proteins from animal sources, such as milk, fish meal and meat scrap are of excellent quality. This is an important reason why these feeds are recommended for swine and poultry and also accounts for the fact that milk, meat and eggs form a large part in the diet of man. Horses, sheep and cattle may obtain balanced proteins by consuming a variety of feed of plant origin.

Since most Maryland farm-grown feeds contain an excess of fat and carbohydrates, and a scarcity of protein, the percentage of protein in feeds that have to be bought is one of the best measures of the value of such feeds.

## Vitamines

Vitamines are those substances found in feeds, in small quantities, which are necessary for reproduction, growth, and the prevention of certain diseases, such as rickets and scurvy. Farm animals consuming plenty of good quality roughage and other ordinary rations for live stock will undoubtedly secure these substances in sufficient quantities.

## Steam Heated or Cooked Feeds

Steam heating or cooking, contrary to much popular belief, does not increase the digestibility nor the nutritive value of most feeds.

## Nitrogen Free Extract

*Nitrogen Free Extract*—Includes numerous compounds such as sugars, starches, and the more soluble and easily digested pentosans. A large proportion of both wheat and corn consists of nitrogen free extract in the form of starch.

## Carbohydrates

*Carbohydrates*—are the sum of the nitrogen free extract and the fiber. Since carbohydrates include the fiber or the woody indigestible part of the feed, one must remember that high fiber means low quality; while low fiber usually means high quality.

## Mineral Matter

*Mineral Matter*—is a term used to describe those compounds that are fed to farm animals whenever there is any danger that the feeds they are consuming are deficient in calcium or phosphorus. These elements are necessary to build bones, hair, hoof, horns, etc. Calcium is usually supplied in the form of precipitated calcium carbonate, or ground limestone. Both calcium and phosphorus may be supplied in steamed bone meal, precipitated bone, and calcium phosphate, etc.

Young animals whose bones are rapidly increasing in size suffer from a lack of calcium and phosphorus sooner than grown animals. However, it has been shown that animals which have finished their growth usually receive sufficient mineral matter (with the exception of salt) if fed a ration containing plenty of good quality roughage.

## TABLES

The following pages contain a detailed report of the results obtained in the inspection of feeds from January 1, 1924, to January 1, 1925. Feeds are considered seriously deficient as regards chemical analysis when they are either one per cent or more deficient in crude protein, or .5% or more deficient in crude fat. Consumers and agents are advised to study carefully this table and purchase from and represent companies who maintain their guarantees in every respect.

The results are given in percentage or pounds per hundredweight.

1924—Complete Analyses of Feeds Collected—1924—Continued.

| Name of Feed | Name of Manufacturer |
|---|---|
| *C. O. B. Chop | Acme Evans Co., Indianapolis, Indiana |
| *C. O. B. Chop | " " " " " |
| *Chick Feed, without Grit | " " " " " |
| *Chick Mash | " " " " " |
| Egg Mash | " " " " " |
| Horse and Mule | " " " " " |
| Horse and Mule | " " " " " |
| Scratch Feed | " " " " " |
| Pure Wheat Bran | Gordon Adkins, Newark, Maryland |
| *Pure Wheat Middlings | " " " " |
| Maryland Egg Mash | Agricultural Corp. of Md., Baltimore, Md. |
| Maryland Money Maker 20% Dairy Ration | " " " " " " |
| Maryland Money Maker 20% Dairy Ration | " " " " " " |
| Maryland More Milk 24% Dairy Ration | " " " " " " |
| Maryland Special 32% Dairy Feed | " " " " " " |
| Maryland Special 32% Dairy Feed | " " " " " " |
| Atlas Standard Cotton Seed Meal | E. T. Allen Co., Atlanta, Georgia |
| Empire H. G. Cotton Seed Meal | " " " " " " |
| *Jordan Meat Scrap | Allentown Mfg. Co., Allentown, Pa. P'd. By M. F. Baringer, Phila., Pa. |
| *Protox Pure Ground Meat Scraps | American Agri. Chem. Co., New York, N. Y. |
| Alinco Old Process Linseed Oil Meal | American Linseed Co., New York, N. Y. |
| Alinco Old Process Linseed Oil Meal | " " " " " " |
| Alinco Old Process Linseed Meal | " " " " " " |
| Cream of Corn Gluten Feed | American Maize-Prods. Co., New York, N. Y. |
| Cream of Corn Gluten Feed | " " " " " " " |
| Amco Fat Maker | American Milling Co., Peoria, Ill. |
| Amco O. P. Linseed Meal and O. P. Screenings Oil Feed | " " " " " |
| Amco O. P. Linseed Meal and O. P. Screenings Oil Feed | " " " " " |
| Sucrene Buttermilk Chick Mash | " " " " " |
| Sucrene Dairy Feed | " " " " " |
| Tip Top Chick Feed | " " " " " |
| Tip Top Scratch Feed | " " " " " |
| Advanced Registry Dairy Feed | Arcady Farms Milling Co., Chicago, Ill. |
| Advanced Registry Dairy Feed | " " " " " " |
| Atlantic Baby Chick Feed | " " " " " " |
| Atlantic Scratch Grains | " " " " " " |
| Baby Chick Feed | " " " " " " |
| Bestbet Laying Mash, with Buttermilk | " " " " " " |
| *Big "4" Horse Feed | " " " " " " |
| Black Beauty Horse Feed | " " " " " " |
| Golden Yolk Scratch Grains | " " " " " " |
| Horse Feed | " " " " " " |
| Horse Feed | " " " " " " |

*Star means deficient in Protein or Fat.

| Place Collected | Moisture | Protein | | Fat | | Fiber | | Ash | Nitrogen Free Extract |
|---|---|---|---|---|---|---|---|---|---|
| | | FOUND | Guaranteed | FOUND | Guaranteed | FOUND | Guaranteed | | |
| Oakland | 12.13 | 7.67 | 9.00 | 3.08 | 3.50 | 11.37 | 10.00 | 3.50 | 62.25 |
| Oakland | 11.15 | 8.16 | 9.00 | 2.49 | 3.50 | 10.33 | 10.00 | 6.00 | 61.87 |
| Mt. Lake Park | 14.45 | 10.09 | 10.00 | 1.95 | 2.50 | 1.95 | 5.00 | 1.25 | 70.31 |
| Mt. Lake Park | 9.50 | 13.56 | 16.00 | 4.73 | 4.00 | 3.65 | 8.00 | 2.85 | 65.71 |
| Mt. Lake Park | 12.95 | 20.18 | 20.00 | 5.15 | 4.00 | 4.53 | 7.00 | 7.10 | 50.09 |
| Oakland | 13.70 | 10.00 | 10.00 | 4.03 | 4.00 | 4.93 | 5.00 | 1.90 | 65.44 |
| Mt. Lake Park | 11.98 | 10.09 | 10.00 | 3.93 | 4.00 | 4.63 | 5.00 | 6.80 | 62.57 |
| Mt. Lake Park | 14.10 | 10.00 | 10.00 | 2.83 | 2.50 | 1.58 | 5.00 | 1.50 | 69.99 |
| Newark | 13.85 | 17.02 | 14.00 | 3.53 | 3.50 | 7.20 | 10.00 | 5.25 | 53.15 |
| Newark | 13.58 | 15.45 | 14.00 | 3.30 | 4.00 | 2.38 | 5.00 | 2.10 | 63.19 |
| Denton | 10.95 | 21.94 | 20.00 | 4.88 | 3.50 | 7.68 | 7.00 | 8.00 | 46.55 |
| College Park | 10.10 | 21.35 | 20.00 | 4.51 | 4.50 | 7.80 | 9.00 | 7.15 | 49.09 |
| Syl-Mar | 8.28 | 21.61 | 20.00 | 4.28 | 4.50 | 9.12 | 9.00 | 6.84 | 49.87 |
| College Park | 9.88 | 23.45 | 24.00 | 4.64 | 5.00 | 7.83 | 9.00 | 7.97 | 46.23 |
| Jacksonville | 10.22 | 33.77 | 32.00 | 4.70 | 5.00 | 7.70 | 9.00 | | |
| Mt. Lake Park | 10.00 | 31.94 | 32.00 | 6.35 | 5.00 | 7.70 | 9.00 | 7.90 | 36.11 |
| Westminster | 7.20 | 36.29 | 36.00 | 5.65 | 5.00 | 14.40 | 14.00 | 6.00 | 30.46 |
| Rising Sun | 7.63 | 40.15 | 41.12 | 7.55 | 6.00 | 10.10 | 10.00 | 8.10 | 34.57 |
| Westminster | 8.48 | 47.56 | 55.00 | 15.59 | 15.00 | 1.96 | 2.00 | 26.00 | .41 |
| Cambridge | 7.40 | 51.56 | 55.00 | 12.85 | 10.00 | 2.53 | 5.00 | 24.40 | 1.26 |
| Baltimore | 8.83 | 33.96 | 34.00 | 7.48 | 6.00 | 5.33 | 9.00 | 6.15 | 38.25 |
| Taneytown | 11.03 | 33.87 | 34.00 | 6.35 | 5.00 | 8.45 | 8.00 | 4.90 | 35.40 |
| Taneytown | 9.90 | 31.85 | 32.00 | 6.60 | 5.00 | 8.75 | 6.00 | 6.20 | 36.70 |
| Baltimore | 10.43 | 22.29 | 23.00 | 2.38 | 1.50 | 7.33 | 8.50 | 5.11 | 52.46 |
| Baltimore | 8.58 | 22.90 | 23.00 | 2.95 | 1.50 | 7.68 | 8.50 | 5.20 | 52.69 |
| Owings Mills | 11.85 | 11.56 | 10.00 | 2.94 | 3.00 | 11.27 | 12.00 | | |
| Baltimore | 8.85 | 29.84 | 30.00 | 6.63 | 5.00 | 9.08 | 10.00 | 5.50 | 40.10 |
| Baltimore | 9.13 | 30.36 | 30.00 | 6.66 | 5.00 | 9.43 | 10.00 | 5.40 | 39.02 |
| Preston | 11.08 | 17.38 | 18.00 | 4.38 | 4.00 | 5.88 | 8.00 | 8.60 | 52.68 |
| Owings Mills | 10.20 | 16.50 | 16.50 | 5.24 | 3.50 | 14.32 | 12.00 | 7.80 | 45.94 |
| Salisbury | 11.15 | 10.71 | 10.00 | 3.38 | 2.50 | 2.25 | 5.00 | 7.45 | 65.06 |
| Salisbury | 12.28 | 9.83 | 10.00 | 2.98 | 2.50 | 2.90 | 5.00 | 1.50 | 70.51 |
| Mt. Airy | 10.28 | 25.10 | 25.00 | 5.65 | 5.00 | 9.60 | 10.00 | 5.20 | 44.17 |
| Hagerstown | 10.00 | 25.89 | 25.00 | 5.80 | 5.00 | 9.83 | 10.00 | 5.30 | 43.18 |
| Salisbury | 14.55 | 10.79 | 9.00 | 2.80 | 2.50 | 1.58 | 5.00 | 1.40 | 68.88 |
| Berwyn | 13.20 | 10.35 | 10.00 | 3.10 | 2.50 | 2.90 | 5.00 | 1.65 | 68.80 |
| Salisbury | 13.65 | 10.44 | 10.00 | 2.05 | 2.50 | 1.73 | 5.00 | 1.20 | 70.93 |
| Salisbury | 11.18 | 21.32 | 20.00 | 6.30 | 4.00 | 6.40 | 9.00 | 10.80 | 50.40 |
| Hagerstown | 13.50 | 7.00 | 8.00 | 1.79 | 2.00 | 8.16 | 12.00 | 2.90 | 76.65 |
| Conowingo | 12.88 | 9.76 | 10.00 | 3.03 | 2.00 | 8.15 | 12.00 | 3.68 | 62.50 |
| Berwyn | 13.45 | 9.92 | 10.00 | 2.68 | 2.50 | 3.30 | 5.00 | 1.95 | 68.70 |
| Salisbury | 14.45 | 10.03 | 10.00 | 2.42 | 2.00 | 11.08 | 12.00 | 5.77 | 56.25 |
| Salisbury | 12.10 | 11.11 | 10.00 | 2.53 | 2.00 | 11.80 | 12.00 | 5.60 | 56.86 |

1924—Complete Analyses of Feeds Collected—1924—Continued.

| Name of Feed | Name of Manufacturer |
|---|---|
| Hog Meal | Arcady Farms Milling Co., Chicago, Ill. |
| Peerless Laying Mash, with Buttermilk | " " " " " " |
| Peerless Milk Ration | " " " " " " |
| Provo Dairy Feed | " " " " " " |
| Provo Dairy Feed | " " " " " " |
| Provo Scratch Grains | " " " " " " |
| Scratch Grains | " " " " " " |
| Sweet 16 Dairy Feed | " " " " " " |
| Sweet 16 Dairy Feed | " " " " " " |
| Wonderfat Station Feed | " " " " " " |
| Wonder Growing Mash, with Buttermilk | " " " " " " |
| Wonder Mash, with Buttermilk | " " " " " " |
| Wonder 24 Riverdale Dairy Ration | " " " " " " |
| Wonder Scratch Grains | " " " " " " |
| Wonder Starting Mash, with Buttermilk | " " " " " " |
| Pure Old Process Ground Oil Cake | Archer-Daniels-Midland Co., Min'apls., Minn. |
| *Pure Old Process Ground Oil Cake | " " " " " " |
| Pure Old Process Ground Oil Cake | " " " " " " |
| Meat Meal | Armour Fertilizer Works, Chicago, Ill. |
| Meat Meal | " " " " " " |
| Meat Scraps | " " " " " " |
| Helmet Brand Prime Cotton Seed Meal | Ashcraft-Wilkinson Co., Atlanta, Georgia. |
| Paramount Brand—Good Cotton Seed Meal | " " " " " " |
| *Paramount Brand—Good Cotton Seed Meal | " " " " " " |
| Paramount Brand—Good Cotton Seed Meal | " " " " " " |
| Paramount Brand—Good Cotton Seed Meal | " " " " " " |
| Paramount Brand—Good Cotton Seed Meal | " " " " " " |
| Laurel Brand Scratch Feed | Athey and Harrison, Laurel, Maryland |
| Wheat Bran, with Grd. Screenings n.ex.m.r... | Atkinson Milling Co., Minneapolis, Minn. |
| Egg-A-Day Dry Mash | J. J. Badenoch Company, Chicago, Illinois. |
| Honey Bee Dairy Feed | " " " " " " |
| Special Stock Feed No Molasses | " " " " " " |
| B. B. L. Brand Baby Chick Feed | Baltimore Feed and Seed Co., Balto., Md. |
| *B. B. L. Brand Baby Chick Feed | " " " " " " " |
| *B. B. L. Brand Chick Developer | " " " " " " " |
| B. B. L. Brand Chick Developer | " " " " " " " |
| B. B. L. Brand Chick Starter, with Dried Buttermilk | " " " " " " |
| B. B. L. Brand Chick Starter, with Dried Buttermilk | " " " " " " " |
| B. B. L. Brand Fish Meal | " " " " " " " |
| B. B. L. Brand Growing Mash, with Dried Dried Buttermilk | " " " " " " " |
| B. B. L. Brand Growing Mash, with Dried Buttermilk | " " " " " " " |
| B. B. L. Brand Growing Mash, with Dried Buttermilk | " " " " " " " |

*Star means deficient in Protein or Fat.

| Place Collected | Moisture | Protein | | Fat | | Fiber | | Ash | Nitrogen Free Extract |
|---|---|---|---|---|---|---|---|---|---|
| | | FOUND | Guaranteed | FOUND | Guaranteed | FOUND | Guaranteed | | |
| Salisbury | 12.00 | **18.69** | 18,00 | **5.08** | 4.00 | **7.58** | 8.00 | 6.05 | 50.60 |
| Salisbury | 12.57 | **20.18** | 20.00 | **5.84** | 4.00 | **5.88** | 9.00 | 9.50 | 46.03 |
| Salisbury | 9.47 | **21.03** | 20.00 | **4.91** | 4.00 | **12.72** | 12.00 | 6.04 | 45.83 |
| Walkersville | 10.15 | **16.72** | 16.00 | **3.95** | 3.50 | **11.48** | 12.00 | 7.30 | 50.40 |
| Thurmont | 10.98 | **17.55** | 16.00 | **3.55** | 3.50 | **11.15** | 12.00 | 7.75 | 49.02 |
| Salisbury | 14.43 | **10.09** | 10.00 | **2.73** | 2.50 | **2.58** | 5.00 | 1.35 | 68.82 |
| Salisbury | 12.83 | **10.88** | 10.00 | **3.43** | 2.50 | **3.23** | 5.00 | 1.75 | 67.88 |
| Thurmont | 10.35 | **16.53** | 16.00 | **4.19** | 4.00 | **11.08** | 12.00 | 8.37 | 49.48 |
| Hagerstown | 9.15 | **16.59** | 16.00 | **3.83** | 4.00 | **13.64** | 12.00 | 8.67 | 48.12 |
| Hagerstown | 11.08 | **16.19** | 12.50 | **5.35** | 4.50 | **2.90** | 4.00 | 2.63 | 61.85 |
| Baltimore | 12.45 | **17.99** | 16.00 | **4.73** | 4.00 | **6.73** | 7.00 | 7.55 | 50.55 |
| Reisterstown | 11.00 | **19.31** | 20.00 | **4.65** | 4.50 | **6.95** | 8.00 | 12.05 | 46.06 |
| Reisterstown | 11.20 | **25.18** | 24.00 | **5.23** | 5.00 | **9.38** | 10.00 | 6.25 | 42.76 |
| Reisterstown | 12.88 | **10.44** | 10.00 | **2.85** | 2.50 | **2.85** | 5.00 | 1.60 | 69.38 |
| Baltimore | 12.35 | **13.95** | 13.00 | **4.28** | 3.50 | **6.45** | 5.00 | 6.05 | 56.92 |
| Hagerstown | 6.80 | **31.50** | 32.00 | **6.75** | 6.00 | **7.20** | 10.00 | 6.00 | 41.75 |
| Baltimore | 7.88 | **30.93** | 32.00 | **8.10** | 6.00 | **8.20** | 10.00 | 6.10 | 38.79 |
| Westminster | 8.70 | **32.29** | 32.00 | **6.95** | 6.00 | **8.10** | 10.00 | 6.15 | 37.81 |
| Frederick | 7.58 | **60.20** | 60.00 | **9.25** | 6.00 | **2.38** | 2.00 | 19.55 | 1.04 |
| Kennedyville | 7.03 | **59.67** | 60.00 | **8.98** | 6.00 | **1.85** | 2.00 | 18.68 | 3.79 |
| Kennedyville | 7.35 | **59.73** | 60.00 | **8.23** | 6.00 | **2.53** | 2.00 | | |
| Centreville | 8.63 | **40.06** | 41.00 | **6.55** | 6.00 | **11.93** | 10.00 | 6.43 | 26.40 |
| Hagerstown | 7.63 | **37.34** | 36.00 | **5.07** | 5.50 | **9.23** | 14.00 | 6.10 | 34.63 |
| Baltimore | 9.93 | **34.46** | 36.00 | **6.35** | 5.50 | **15.86** | 14.00 | 5.84 | 27.56 |
| Baltimore | 9.80 | **35.45** | 36.00 | **6.08** | 5.50 | **14.73** | 14.00 | 5.97 | 27.97 |
| Baltimore | 9.95 | **35.72** | 36.00 | **6.05** | 5.50 | **14.43** | 14.00 | 6.04 | 27.81 |
| Baltimore | 7.68 | **36.73** | 36.00 | **6.18** | 5.50 | **13.55** | 14.00 | 5.95 | 29.91 |
| Laurel | 13.95 | **9.92** | 10.00 | **2.80** | 2.50 | **2.95** | 5.00 | 1.95 | 68.43 |
| Baltimore | 10.18 | **15.71** | 13.00 | **5.20** | 4.00 | **10.50** | 13.00 | 5.75 | 52.66 |
| Cumberland | 12.18 | **20.18** | 20.00 | **4.10** | 4.00 | **7.30** | 11.00 | 8.50 | 47.74 |
| Grantsville | 10.55 | **16.67** | 16.00 | **3.10** | 3.00 | **10.85** | 12.00 | 7.05 | 51.78 |
| Cumberland | 12.05 | **10.00** | 8.00 | **3.15** | 3.00 | **11.78** | 12.00 | 7.45 | 55.57 |
| Baltimore | 12.13 | **10.97** | 11.00 | **5.03** | 3.50 | **2.25** | 3.00 | 2.10 | 67.52 |
| Bel Air | 13.75 | **10.09** | 11.00 | **2.08** | 3.50 | **1.45** | 3.00 | 1.62 | 71.01 |
| Bel Air | 12.78 | **9.61** | 11.00 | **3.13** | 3.50 | **2.80** | 3.00 | 1.50 | 70.18 |
| Baltimore | 12.90 | **10.44** | 11.00 | **4.13** | 3.50 | **2.48** | 3.00 | 1.50 | 68.55 |
| Baltimore | 10.85 | **15.80** | 14.00 | **6.63** | 4.50 | **5.70** | 5.00 | 4.80 | 56.22 |
| Baltimore | 12.55 | **15.80** | 14.00 | **5.18** | 4.50 | **3.93** | 5.00 | 5.60 | 56.94 |
| Baltimore | 7.33 | **55.99** | 55.00 | **7.65** | 8.00 | **.80** | 1.00 | 21.80 | 6.43 |
| Baltimore | 11.75 | **18.61** | 18.00 | **4,53** | 4.50 | **6.85** | 9.00 | 6.30 | 51.96 |
| Baltimore | 10.15 | **19.31** | 18.00 | **4.95** | 4.50 | **7.20** | 9.00 | 6.20 | 52.19 |
| Baltimore | 11.15 | **18.95** | 18.00 | **4.40** | 4.50 | **6.00** | 9.00 | 6.60 | 52.90 |

**1924—Complete Analyses of Feeds Collected—1924—Continued.**

| Name of Feed | Name of Manufacturer |
|---|---|
| B. B. L. Brand Improved Laying Mash, with Dried Buttermilk | Balto. Feed and Seed Co., Balto, Md. (Cont.). |
| B. B. L. Brand Improved Laying Mash, with Dried Buttermilk | " " " " " " " |
| B. B. L. Brand 75% Protein Meat Meal | " " " " " " " |
| B. B. L. Brand 75% Protein Meat Meal | " " " " " " " |
| B. B. L. Brand Recleaned Scratch Feed | " " " " " " " |
| B. B. L. Brand Recleaned Scratch Feed | " " " " " " " |
| B. B. L. Brand No. 3 Pigeon Feed | " " " " " " " |
| *B. B. L. Brand Selected 55% Beef Scraps | " " " " " " " |
| B. B. L. Brand Selected 55% Beef Scraps | " " " " " " " |
| *B. B. L. Brand Selected 55% Beef Scraps | " " " " " " " |
| *B. B. L. Brand Selected 55% Beef Scraps | " " " " " " " |
| *Hercules Br. Laying Mash, with Buttermilk | " " " " " " " |
| Victory Brand Scratch Feed | " " " " " " " |
| Goodlow Cottonseed Meal | M. F. Baringer, Philadelphia, Pa. |
| *60% Digester Tankage | Baugh and Sons Co., Baltimore, Maryland |
| †60% Digester Tankage | " " " " " " |
| "Gabco" Brand Alfalfa Meal | Geo. A. Beanston Co., San Francisco, Cal. |
| Pure Wheat Bran | G. T. Bell and Son, Federalsburg, Maryland |
| Pure Wheat Bran | " " " " " " |
| Pure Wheat Middlings | " " " " " " |
| Pure Wheat Middlings | " " " " " " |
| Malt Sprouts | E. H. Beers and Co., Baltimore, Maryland |
| 50% Protein Poultry Meat and Bone | Berg Company, Philadelphia, Pennsylvania |
| Three Medal Poultry Meat and Bone Scrap | " " " " |
| Pure Wheat Bran | Berlin Milling Co., Salisbury, Maryland |
| Pure Wheat Bran | " " " " " |
| Pure Wheat Middlings | " " " " " |
| *Ideal Pure Wheat Middlings | Bernet, Craft and Kauffman Milling Co., Mt. Carmel, Illinois |
| Pure Wheat Bran | Beshore Milling Company, Vale, Maryland |
| Pure Wheat Middlings | " " " " " |
| Big Diamond Wheat Bran | Big Diamond Mills Co., Minneapolis, Minn. |
| Big Diamond Wheat Bran | " " " " " " |
| Bidwell Dry Mash | Black Rock Milling Corp., Black Rock, N. Y.. P'd. by Park and Pollard Company |
| Bidwell Scratch Feed | " " " " " " " " |
| Pure Wheat Bran | W. H. Blakeslee, Wye Mills, Maryland |
| *Pure Wheat Middlings | " " " " " |
| Cornell Brand Buttermilk Growing Feed | Blamberg Brothers, Inc., Baltimore, Md., |
| Cornell Brand Buttermilk Growing Feed | " " " " " |
| Cornell Brand Buttermilk Laying Mash | " " " " " |
| Cornell Brand Buttermilk Laying Mash | " " " " " |
| *Cornell Brand Chick Developer | " " " " " |
| *Cornell Brand Chick Developer | " " " " " |
| Cornell Brand Dry Mash | " " " " " |

*Star means deficient in Protein or Fat.
†Dagger means deficient in both Protein and Fat.

| Place Collected | Moisture | Protein | | Fat | | Fiber | | Ash | Nitrogen Free Extract |
|---|---|---|---|---|---|---|---|---|---|
| | | FOUND | Guaranteed | FOUND | Guaranteed | FOUND | Guaranteed | | |
| Baltimore | 10.75 | 19.83 | 20.00 | 4.50 | 4.50 | 7.83 | 9.00 | 6.40 | 50.69 |
| Baltimore | 10.98 | 20.71 | 20.00 | 4.43 | 4.50 | 7.73 | 9.00 | 6.65 | 49.50 |
| Baltimore | 9.05 | 78.37 | 75.00 | 7.60 | 8.00 | .63 | 3.00 | 4.10 | .25 |
| Baltimore | 9.38 | 80.38 | 75.00 | 7.95 | 8.00 | .88 | 3.00 | | |
| Glenburnie | 13.30 | 10.35 | 10.50 | 2.95 | 3.00 | 3.13 | 3.00 | 1.50 | 68.77 |
| Baltimore | 13.35 | 10.44 | 10.50 | 3.08 | 3.00 | 3.05 | 3.00 | 1.50 | 68.58 |
| Baltimore | 13.50 | 14.92 | 15.00 | 3.98 | 3.00 | 4.30 | 4.00 | 1.85 | 61.45 |
| Baltimore | 7.92 | 52.71 | 55.00 | 11.10 | 8.00 | 3.00 | 3.00 | 24.40 | .85 |
| Baltimore | 12.25 | 58.45 | 55.00 | 13.55 | 8.00 | 1.85 | 3.00 | 13.80 | .10 |
| Westminster | 6.45 | 51.71 | 55.00 | 12.90 | 8.00 | 1.88 | 3.00 | 25.50 | 1.56 |
| Baltimore | 6.00 | 53.05 | 55.00 | 13.20 | 8.00 | 1.98 | 3.00 | 24.45 | 1.32 |
| Baltimore | 9.98 | 18.02 | 20.00 | 4.33 | 4.00 | 10.10 | 9.00 | 7.30 | 50.27 |
| Baltimore | 12.43 | 10.44 | 10.00 | 3.00 | 3.00 | 3.18 | 3.00 | 1.50 | 69.45 |
| Westminster | 6.50 | 37.73 | 36.00 | 6.43 | 5.00 | 13.60 | 16.00 | 7.60 | 28.14 |
| Baltimore | 8.25 | 59.85 | 60.00 | 4.28 | 8.00 | 1.80 | 3.00 | 21.60 | 4.22 |
| Baltimore | 10.35 | 58.84 | 60.00 | 5,33 | 8.00 | 2.05 | 3.00 | 22.60 | .83 |
| Baltimore | 9.85 | 15.27 | 15.00 | 1.40 | 1.70 | 30.25 | 29.50 | 9.10 | 34.13 |
| Federalsburg | 11.60 | 15.24 | 14.00 | 5.68 | 4.00 | 8.53 | 9.00 | 7.40 | 51.55 |
| Federalsburg | 10.62 | 14.48 | 14.00 | 4.35 | 4.00 | 8.90 | 9.00 | 6.75 | 54.90 |
| Federalsburg | 13.00 | 15.18 | 15.00 | 4.10 | 4.00 | 4.35 | 6.00 | 3.65 | 59.72 |
| Federalsburg | 10.30 | 14.74 | 15.00 | 4.55 | 4.00 | 4.30 | 6.00 | 5.37 | 60.74 |
| Hagerstown | 8.00 | 29.66 | 28.50 | 1.03 | .85 | 13.03 | 13.25 | 2.30 | 45.98 |
| Easton | 7.33 | 50.02 | 50.00 | 12.13 | 11.00 | 1.98 | 2.00 | 26.23 | 2.31 |
| Hyattsville | 6.70 | 46.16 | 45.00 | 12.33 | 11.00 | 1.20 | 3.00 | 31.80 | 1.81 |
| Salisbury | 10.05 | 14.48 | 14.00 | 4.50 | 4.00 | 9.08 | 11.00 | 6.90 | 54.99 |
| Salisbury | 13.53 | 16.06 | 14.00 | 4.00 | 4.00 | 8.58 | 11.00 | 5.95 | 51.88 |
| Salisbury | 10.15 | 15.01 | 14.50 | 4.03 | 4.00 | 3.33 | 5.00 | 3.40 | 64.08 |
| Union Bridge | 12.78 | 17.20 | 17.25 | 4.43 | 4.95 | 5.55 | 6.00 | 4.10 | 55.94 |
| Vale | 11.10 | 13.86 | 14.00 | 3.15 | 3.50 | 6.38 | 9.00 | 6.82 | 58.69 |
| Vale | 12.78 | 16.06 | 14.00 | 5.32 | 3.50 | 3.80 | 5.00 | 3.31 | 58.73 |
| Baltimore | 12.70 | 14.48 | 14.50 | 4.93 | 5.00 | 10.98 | 10.90 | 6.18 | 50.73 |
| Baltimore | 9.70 | 15.01 | 14.50 | 5.13 | 5.00 | 10.68 | 10.90 | 6.35 | 53.13 |
| Berlin | 10.08 | 21.11 | 18.00 | 4.95 | 1.50 | 7.40 | 12.00 | 6.40 | 50.06 |
| Goldsboro | 14.05 | 10.79 | 10.00 | 2.98 | 1.50 | 3.43 | 5.00 | 2.15 | 66.60 |
| Wye Mills | 13.13 | 14.22 | 14.00 | 4.18 | 3.50 | 6.53 | 10.00 | 4.53 | 57.41 |
| Wye Mills | 13.95 | 13.16 | 14.00 | 3.05 | 4.00 | 3.90 | 5.00 | 3.17 | 62.77 |
| Baltimore | 8.83 | 19.48 | 17.25 | 5.70 | 3.50 | 8.10 | 8.50 | 9.70 | 48.19 |
| Baltimore | 11.75 | 19.66 | 17.25 | 4.93 | 3.50 | 8.05 | 8.50 | 7.95 | 47.66 |
| Baltimore | 9.93 | 19.45 | 20.00 | 5.33 | 4.00 | 8.20 | 9.00 | 9.85 | 47.24 |
| Baltimore | 11.48 | 20.36 | 20.00 | 5.05 | 4.00 | 8.05 | 9.00 | 9.05 | 46.01 |
| Baltimore | 14.43 | 10.01 | 10.70 | 2.25 | 3.50 | 2.08 | 8.50 | 1.25 | 69.98 |
| Baltimore | 14.68 | 10.22 | 10.70 | 2.75 | 3.50 | 2.50 | 8.50 | 1.35 | 68.50 |
| Baltimore | 11.80 | 18.95 | 18.00 | 5.63 | 4.00 | 7.95 | 9.00 | 7.60 | 48.07 |

1924—Complete Analyses of Feeds Collected—1924—Continued.

| Name of Feed | Name of Manufacturer |
|---|---|
| *Cornell Brand Pigeon Feed No. 2 | Blamberg Brothers, Inc., Baltimore, Md. |
| Cornell Brand Pigeon Feed No. 2 | " " " " " " |
| Cornell Brand Pigeon Feed No. 3 | " " " " " " |
| *Cornell Brand Pigeon Feed No. 3 | " " " " " " |
| Cornell Brand Pigeon Feed No. 4 | " " " " " " |
| Cornell Brand Pigeon Feed No. 4 | " " " " " " |
| Cornell Brand Special Meat Scraps | " " " " " " |
| *Cornell Brand Scratch Feed | " " " " " " |
| *Calf Meal | Blatchford Calf Meal Co., Waukegan, Ill. |
| Chick Mash, with Buttermilk | " " " " " " |
| *Fill-The-Basket Egg Mash | " " " " " " |
| Fill-The-Basket Egg Mash | " " " " " " |
| Good Luck Bone and Meat Scrap | F. W. Bolgiano and Co., Inc., Wash., D. C. |
| Good Luck Bone and Meat Scrap | " " " " " " " " |
| *Pure Menhaden Fish Meal | J. Bolgiano Seed Co., Baltimore, Maryland |
| Square Deal Baby Chick Feed | " " " " " " " |
| Square Deal Buttermilk Starting Feed | " " " " " " " |
| Square Deal Growing Mash | " " " " " " " |
| Square Deal Laying Mash | " " " " " " " |
| Square Deal Scratch | " " " " " " " |
| Pure Wheat Bran | Bowman Brothers, Gaithersburg, Maryland |
| Pure Wheat Middlings | " " " " |
| Sensation Scratch | Boyer and Heard, Hagerstown, Maryland |
| †Superior Laying Mash | " " " " " |
| Pure Wheat Bran | Jos. Brice, Chestertown, Maryland |
| *Owl Brand 41% Prime Cotton Seed Meal | F. W. Brode Corp., Memphis, Tennessee |
| Owl Brand 41% Prime Cotton Seed Meal | " " " " " " " |
| Pure Wheat Bran | P. M. Brooks, Chestertown, Maryland |
| Pure Wheat Bran | " " " " |
| *Pure Wheat Middlings | " " " " |
| *Pure Wheat Middlings | " " " " |
| Pure Wheat Middlings | " " " " |
| 36% Protein Cottonseed Meal-Good Quality | Buckeye Cotton Oil Co., Cincinnati, Ohio |
| Pure Wheat Bran | Cambridge Mfg. Co., Cambridge, Md. |
| Pure Wheat Bran | " " " " " " |
| Pure Wheat Middlings | " " " " " " |
| Pure Wheat Middlings | " " " " " " |
| 16% Dairy Feed | " " " " " " |
| New Vim Chick Starter | " " " " " " |
| New Vim Dairy Feed | " " " " " " |
| New Vim Dairy Feed | " " " " " " |
| New Vim Growing Feed | " " " " " " |
| New Vim Laying Mash | " " " " " " |
| New Vim Laying Mash | " " " " " " |
| New Vim Scratch Feed | " " " " " " |
| Billie Lowgrade Pure Wheat Flour | Cannon Valley Mlg. Co., Minneapolis, Minn. |
| Pure Wheat Bran | " " " " " " " |

*Star means deficient in Protein or Fat.
†Dagger means deficient in both Protein and Fat.

| Place Collected | Moisture | Protein | | Fat | | Fiber | | Ash | Nitrogen Free Extract |
|---|---|---|---|---|---|---|---|---|---|
| | | FOUND | Guaranteed | FOUND | Guaranteed | FOUND | Guaranteed | | |
| Baltimore | 13.78 | **14.31** | 14.00 | **2.35** | 3.00 | **3.83** | 4.00 | 1.90 | 63.83 |
| Baltimore | 12.50 | **13.95** | 14.00 | **3.58** | 3.00 | **3.48** | 4.00 | 1.70 | 64.79 |
| Baltimore | 12.78 | **13.91** | 14.50 | **3.83** | 3.00 | **3.57** | 4.00 | 1.70 | 64.21 |
| Baltimore | 12.78 | **15.18** | 14.50 | **2.38** | 3.00 | **3.65** | 4.00 | 1.85 | 64.16 |
| Baltimore | 14.00 | **13.69** | 13.50 | **2.58** | 2.60 | **2.85** | 4.30 | 2.25 | 64.63 |
| Baltimore | 13.68 | **12.60** | 13.50 | **3.28** | 2.60 | **3.40** | 4.30 | 1.50 | 65.54 |
| Baltimore | 6.40 | **54.67** | 55.00 | **10.90** | 10.00 | **2.28** | 3.00 | 21.70 | 4.05 |
| Baltimore | 13.73 | **10.35** | 10.50 | **2.65** | 3.50 | **2.90** | 4.00 | 2.70 | 67.67 |
| Baltimore | 11.35 | **24.48** | 24.00 | **4.33** | 5.00 | **6.15** | 6.75 | ------ | ------ |
| Baltimore | 10.68 | **19.27** | 20.00 | **4.83** | 4.00 | **5.13** | 7.00 | ------ | ------ |
| Baltimore | 12.33 | **19.48** | 19.00 | **5.78** | 4.00 | **6.90** | 10.00 | 11.20 | 44.31 |
| Laurel | 10.40 | **18.95** | 19.00 | **5.50** | 4.00 | **7.15** | 10.00 | 11.97 | 46.03 |
| Rockville | 6.88 | **50.28** | 50.00 | **11.78** | 10.00 | **1.90** | 2.00 | 28.65 | .51 |
| Sandy Springs | 8.08 | **49.58** | 50.00 | **12.98** | 10.00 | **1.58** | 2.00 | 26.00 | 1.78 |
| Baltimore | 8.03 | **56.78** | 55.00 | **6.64** | 11.00 | **1.03** | 2.00 | 18.75 | 8.77 |
| Baltimore | 13.93 | **9.48** | 9.00 | **3.48** | 2.00 | **1.88** | 5.00 | 1.38 | 69.85 |
| Baltimore | 12.15 | **13.78** | 12.50 | **4.63** | 4.00 | **2.95** | 4.50 | 4.14 | 62.35 |
| Baltimore | 11.98 | **19.83** | 18.00 | **5.33** | 4.00 | **6.13** | 10.00 | 9.21 | 47.52 |
| Baltimore | 11.98 | **23.26** | 18.00 | **5.18** | 4.00 | **6.75** | 10.00 | 7.65 | 45.18 |
| Baltimore | 12.33 | **10.00** | 10.00 | **2.98** | 2.00 | **2.88** | 5.00 | 1.70 | 70.11 |
| Gaithersburg | 7.83 | **14.83** | 13.50 | **3.78** | 3.00 | **10.84** | 9.00 | 6.25 | 56.47 |
| Gaithersburg | 7.65 | **14.48** | 15.00 | **4.07** | 4.00 | **5.65** | 4.00 | 3.30 | 35.15 |
| Hagerstown | 13.75 | **10.00** | 10.00 | **3.03** | 2.50 | **2.75** | 5.00 | 1.30 | 69.17 |
| Hagerstown | 11.25 | **21.85** | 25.40 | **4.75** | 5.41 | **7.53** | 7.04 | 6.65 | 47.97 |
| Chestertown | 14.80 | **13.56** | 14.00 | **3.23** | 3.50 | **6.50** | 10.00 | 6.13 | 55.78 |
| Walkersville | 8.63 | **38.68** | 41.00 | **7.85** | 5.00 | **9.23** | 10.00 | 7.35 | 28.26 |
| Myersville | 4.87 | **39.53** | 41.00 | **6.80** | 5.00 | **12.37** | 10.00 | 6.13 | 30.30 |
| Chestertown | 10.85 | **13.82** | 14.00 | **4.03** | 3.50 | **10.00** | 10.00 | 7.05 | 54.22 |
| Chestertown | 13.43 | **13.69** | 14.00 | **3.63** | 3.50 | **8.43** | 10.00 | 6.00 | 54.82 |
| Chestertown | 10.18 | **13.95** | 15.00 | **3.78** | 3.50 | **3.25** | 5.00 | 2.62 | 66.22 |
| Chestertown | 12.78 | **14.22** | 15.00 | **2.70** | 3.50 | **2.30** | 5.00 | 2.40 | 65.60 |
| Chestertown | 13.00 | **15.09** | 15.00 | **3.58** | 3.50 | **3.25** | 5.00 | 2.52 | 62.56 |
| Hagerstown | 7.30 | **36.51** | 36.00 | **5.50** | 5.00 | **14.53** | 14.00 | 5.90 | 30.26 |
| Cambridge | 12.50 | **14.30** | 14.00 | **3.78** | 4.00 | **8.43** | 10.00 | 6.20 | 54.79 |
| Cambridge | 12.88 | **14.92** | 14.00 | **4.25** | 4.00 | **8.00** | 10.00 | 6.23 | 53.72 |
| Cambridge | 12.60 | **14.04** | 14.50 | **3.68** | 4.00 | **2.68** | 5.00 | 3.07 | 63.93 |
| Cambridge | 13.50 | **15.18** | 14.50 | **3.63** | 4.00 | **2.38** | 5.00 | 2.93 | 62.38 |
| Cambridge | 12.35 | **19.09** | 16.00 | **5.15** | 3.00 | **8.15** | 15.00 | 6.85 | 48.41 |
| Cambridge | 13.10 | **14.45** | 14.00 | **4.98** | 3.00 | **5.80** | 6.00 | 4.90 | 56.77 |
| Cambridge | 11.73 | **26.32** | 24.00 | **3.70** | 4.00 | **7.18** | 10.00 | 6.05 | 45.02 |
| Hurlock | 8.08 | **26.63** | 24.00 | **4.28** | 4.00 | **9.33** | 10.00 | 7.00 | 44.68 |
| Cambridge | 10.88 | **20.32** | 16.00 | **5.15** | 3.00 | **6.68** | 10.00 | 6.25 | 51.12 |
| Cambridge | 7.88 | **21.76** | 20.00 | **5.73** | 3.00 | **7.80** | 10.00 | 8.40 | 48.43 |
| Cambridge | 11.80 | **22.51** | 20.00 | **6.65** | 3.00 | **7.67** | 10.00 | 7.05 | 44.32 |
| Cambridge | 15.13 | **8.87** | 9.00 | **2.78** | 3.00 | **2.45** | 10.00 | 1.20 | 69.57 |
| Kennedyville | 10.00 | **18.43** | 17.00 | **5.00** | 4.00 | **2.60** | 4.00 | 2.95 | 61.02 |
| Kennedyville | 9.53 | **14.74** | 14.50 | **5.20** | 4.00 | **11.50** | 12.00 | 6.35 | 52.68 |

**1924—Complete Analyses of Feeds Collected—1924—Continued.**

| Name of Feed | Name of Manufacturer |
|---|---|
| *St. Paul Queen Fine Grnd. Wht. Mixed Feed | Capital City Mill & Grain Co., St. Paul, Minn. |
| Chick Manna | F. P. Cassel and Son, Lansdale, Pa. |
| Gro-All Fish Meal | Central Chemical Co., Hagerstown, Md. |
| Gro-All Hog and Poultry Tankage | " " " " " |
| Pure Wheat Bran | Centreville Milling Co., Centreville, Md. |
| Pure Wheat Bran | " " " " " |
| Pure Wheat Middlings | " " " " " |
| *Pure Wheat Middlings | " " " " " |
| Acorn Dairy Feed | Chapin and Co., Chicago, Illinois |
| Ajax Dairy Ration | " " " " " |
| Ovo Scratch Feed | " " " " " |
| Unicorn Dairy Ration | " " " " " |
| Unicorn Dairy Ration | " " " " " |
| Unicorn Dairy Ration | " " " " " |
| Unicorn Dairy Ration | " " " " " |
| Pure Wheat Bran | Church Hill Milling Co., Church Hill, Md. |
| Pure Wheat Bran | " " " " " " " |
| †Pure Wheat Middlings | " " " " " " " |
| Pure Wheat Middlings | " " " " " " " |
| Reliance Horse Feed | J. H. Clusman and Co., Baltimore, Md. |
| Reliance Horse Feed | " " " " " " |
| Wheat Flour Middlings grnd. scrn. n.ex.m.r. | Commander Mill Co., Minneapolis, Minn. |
| Fancy Wheat White Middlings, with Ground Screenings n. ex. m. r. | Commercial Milling Co., Detroit, Michigan |
| Buttermilk Grain and Bone Starting Feed | G. E. Conkey Co., Cleveland, Ohio |
| Buttermilk Meat, Grn and Bone Laying Mash | " " " " " " |
| Buttermilk Meat, Grn and Bone Laying Mash | " " " " " " |
| †Fattening Mash, with Buttermilk | " " " " " " |
| Gecco Grains | " " " " " " |
| Growing Grains | " " " " " " |
| Pigeon Feed | " " " " " " |
| Scratch Grains | " " " " " " |
| Beef and Bone Scrap | Consolidated By-Products Co., Phila., Pa. |
| *Beef and Bone Scrap | " " " " " |
| Buffalo Corn Gluten Feed | Corn Products Refining Co., New York City. |
| Buffalo Corn Gluten Feed | " " " " " " " |
| Buffalo Corn Gluten Feed | " " " " " " " |
| Corn Pro Horse and Mule Feed | " " " " " " " |
| Corn Pro Horse and Mule Feed | " " " " " " " |
| Diamond Corn Gluten Meal | " " " " " " " |
| Diamond Corn Gluten Meal | " " " " " " " |
| Diamond Hog Meal | " " " " " " " |
| Fine Wheat Middlings, with Ground Screenings n. ex. m. r. | Crookston Milling Co., Crookston, Minn. P'd. by Nowak Milling Corp., Hammond, Ind. |
| *Corn and Oats Chops | Cumberland Milling Co., Cumberland, Md. |
| Goodluck Brand 41% Protein Cottonseed Meal | S. P. Davis, Little Rock, Arkansas |

*Star means deficient in Protein or Fat.
†Dagger means deficient in both Protein and Fat.

| Place Collected | Moisture | Protein | | Fat | | Fiber | | Ash | Nitrogen Free Extract |
|---|---|---|---|---|---|---|---|---|---|
| | | FOUND | Guaranteed | FOUND | Guaranteed | FOUND | Guaranteed | | |
| College Park | 12.03 | **15.18** | 15.70 | **3.90** | 4.60 | **8.85** | 8.30 | 4.23 | 55.81 |
| Baltimore | 9.30 | **12.64** | 12.00 | **4.30** | 4.00 | **2.63** | 3.00 | 7.90 | 63.23 |
| Frederick | 8.70 | **56.16** | 55.00 | **5.85** | 6.00 | **6.58** | 1.00 | 18.60 | 4.11 |
| Frederick | 7.63 | **53.75** | 50.00 | **12.00** | 10.00 | **3.65** | 6.00 | 12.42 | 10.55 |
| Centreville | 13.35 | **13.16** | 13.00 | **5.00** | 3.50 | **9.03** | 12.00 | 5.45 | 54.01 |
| Centreville | 11.05 | **12.68** | 13.00 | **3.53** | 3.50 | **8.25** | 12.00 | 5.13 | 59.36 |
| Centreville | 13.05 | **14.04** | 15.00 | **2.90** | 3.00 | **2.73** | 6.00 | 2.48 | 64.80 |
| Centreville | 10.85 | **13.78** | 15.00 | **3.58** | 3.00 | **3.85** | 6.00 | 2.62 | 65.32 |
| Baltimore | 10.05 | **21.76** | 20.00 | **4.95** | 4.00 | **8.95** | 10.00 | | |
| Chestertown | 10.45 | **20.97** | 20.00 | **4.98** | 5.00 | **8.20** | 9.00 | 6.50 | 47.90 |
| Hurlock | 14.05 | **11.14** | 10.00 | **2.80** | 2.50 | **3.03** | 5.00 | 2.10 | 66.88 |
| Baltimore | 8.10 | **24.92** | 24.00 | **4.93** | 5.00 | **9.45** | 10.00 | 6.10 | 46.50 |
| Myersville | 7.70 | **23.87** | 24.00 | **5.33** | 5.00 | **9.38** | 10.00 | 6.75 | 46.97 |
| Buckeystown | 9.75 | **24.13** | 24.00 | **4.98** | 5.00 | **9.23** | 10.00 | 6.90 | 45.01 |
| Frederick | 9.90 | **23.65** | 24.00 | **5.68** | 5.00 | **8.80** | 10.00 | 7.85 | 44.12 |
| Church Hill | 14.05 | **12.99** | 13.50 | **4.48** | 3.25 | **8.90** | 9.50 | 5.80 | 53.77 |
| Church Hill | 12.11 | **12.70** | 13.50 | **3.80** | 3.25 | **9.50** | 9.50 | 5.75 | 56.14 |
| Church Hill | 13.43 | **12.77** | 14.00 | **2.73** | 4.00 | **2.70** | 7.00 | | |
| Church Hill | 13.68 | **13.86** | 14.00 | **4.15** | 4.00 | **6.74** | 7.00 | 4.10 | 57.67 |
| Baltimore | 10.75 | **9.45** | 8.50 | **3.26** | 2.50 | **8.17** | 8.00 | 5.00 | 63.37 |
| Baltimore | 12.10 | **8.57** | 8.50 | **2.94** | 2.50 | **7.30** | 8.00 | 5.43 | 63.66 |
| Thurmont | 11.03 | **16.67** | 16.50 | **4.68** | 5.00 | **6.85** | 6.00 | 4.00 | 56.77 |
| Silver Hill | 12.40 | **14.92** | 15.00 | **3.38** | 3.00 | **4.58** | 5.00 | 2.60 | 62.12 |
| Hagerstown | 10.10 | **13.16** | 12.00 | **4.75** | 3.00 | **3.88** | 4.00 | 6.00 | 62.11 |
| Hagerstown | 10.08 | **21.06** | 20.00 | **5.83** | 5.00 | **6.15** | 6.00 | 7.70 | 49.18 |
| Hagerstown | 11.25 | **19.66** | 20.00 | **5.55** | 5.00 | **4.95** | 6.00 | 8.45 | 50.14 |
| Hagerstown | 9.55 | **13.16** | 14.50 | **5.45** | 6.00 | **4.33** | 4.50 | 2.95 | 59.56 |
| Hagerstown | 11.48 | **10.35** | 10.00 | **3.58** | 2.00 | **1.88** | 5.00 | 1.30 | 28.59 |
| Hagerstown | 12.20 | **12.64** | 13.00 | **3.93** | 2.50 | **2.60** | 2.00 | 1.40 | 67.23 |
| Hagerstown | 11.73 | **14.39** | 10.00 | **2.40** | 2.50 | **3.38** | 5.00 | 2.20 | 65.90 |
| Hagerstown | 13.33 | **11.58** | 9.75 | **3.30** | 1.75 | **3.88** | 3.00 | 1.80 | 66.11 |
| Chestertown | 8.88 | **45.02** | 45.00 | **12.75** | 10.00 | **1.85** | 2.00 | 31.12 | .38 |
| Laurel | 7.53 | **42.45** | 45.00 | **10.36** | 10.00 | **1.38** | 2.00 | 34.80 | 3.48 |
| Baltimore | 11.35 | **22.73** | 23.00 | **1.80** | 2.00 | **9.70** | 8.50 | 3.85 | 50.57 |
| Thurmont | 10.50 | **25.10** | 23.00 | **1.95** | 2.00 | **9.00** | 8.50 | 5.05 | 48.40 |
| Hyattsville | 11.55 | **25.76** | 23.00 | **2.40** | 2.00 | **8.57** | 8.50 | 4.75 | 46.97 |
| Baltimore | 11.68 | **9.69** | 9.00 | **3.39** | 2.50 | **8.86** | 10.00 | 4.00 | 62.38 |
| Baltimore | 10.85 | **9.32** | 9.00 | **3.21** | 2.50 | **8.50** | 10.00 | 4.36 | 63.76 |
| Thurmont | 11.73 | **43.00** | 40.00 | **2.20** | 1.00 | **2.18** | 4.00 | 1.40 | 39.49 |
| Preston | 9.88 | **43.70** | 40.00 | **1.10** | 1.00 | **2.23** | 4.00 | 1.42 | 41.67 |
| Hagerstown | 9.38 | **24.57** | 18.00 | **7.23** | 7.00 | **10.15** | 13.00 | 2.60 | 46.07 |
| Cardova | 12.73 | **15.71** | 15.00 | **5.03** | 5.00 | **6.75** | 9.00 | 3.69 | 56.09 |
| Cumberland | 14.63 | **9.52** | 10.00 | **3.75** | 5.00 | **5.88** | 5.00 | 2.80 | 63.42 |
| Hampstead | 6.93 | **40.37** | 41.00 | **6.70** | 6.00 | **10.10** | 10.00 | 6.10 | 28.80 |

1924—Complete Analyses of Feeds Collected—1924—Continued.

| Name of Feed | Name of Manufacturer |
|---|---|
| Steerboy Brand Cotton Seed Meal | S. P. Davis, Little Rock, Arkansas |
| *Jersey Brand Scratch Feed | Deal Bros. Milling Co., Cumberland, Md. |
| Alfalfa Meal | Denver Alfalfa Mlg. & Prds. Co., Lamar, Col. |
| Alfalfa Meal | " " " " " " " " |
| Colonial Dairy Feed | Albert Dickinson Co., Chicago, Illinois |
| Globe Chick Mash, with Dried Buttermilk | " " " " " |
| Globe Chick Scratch | " " " " " |
| Globe Egg Mash | " " " " " |
| Globe Growing Scratch, with Grit | " " " " " |
| Globe Poultry Scratch | " " " " " |
| Rival Dairy Feed | " " " " " |
| Wheat Bran, with Mill Run of Screenings | D. W. Dietrich and Co., Philadelphia, Pa. |
| Wheat Flour Middlings, with Mill Run of Screenings | " " " " " " " |
| Wheat Flour Middlings, with Mill Run of Screenings | " " " " " " " |
| Wheat Bran, with Mill Run of Screenings | " " " " " " " |
| Pure Wheat Bran | C. N. Draper, Greensboro, Maryland |
| *Pure Wheat Middlings | " " " " " |
| *Chicmont Meat and Bone Scrap | Dumont Fertilizer Co., Philadelphia, Pa. |
| *Chicmont Meat and Bone Scrap | " " " " " |
| *Chicmont Meat and Bone Scrap | " " " " " |
| R.C.D. Laying Mash, with Buttermilk | Eagle Mills, Pocomoke City, Maryland |
| Ce-Re-A-Lia Sweets | Early and Daniel Co., Cincinnati, Ohio. |
| Rex Scratch Feed | " " " " " " " |
| Tuxedo Chop | " " " " " " " |
| Tuxedo Egg Mash | " " " " " " " |
| Oberco 30-30 | East Coast Trading Co., Baltimore, Md. |
| Oberco 30-30 | " " " " " " " |
| *Dutch Maid Cotton Seed Meal | Eastern Cotton Oil Co., Norfolk, Virginia |
| Perfection Cotton Seed Meal | " " " " " " " |
| Perfection Cotton Seed Meal | " " " " " " " |
| Perfection Cotton Seed Meal | " " " " " " " |
| †Perfection Cotton Seed Meal | " " " " " " " |
| Perfection Cotton Seed Meal | " " " " " " " |
| *Supreme Cotton Seed Meal | " " " " " " " |
| Supreme Cotton Seed Meal | " " " " " " " |
| *Supreme Cotton Seed Meal | " " " " " " " |
| *Supreme Cotton Seed Meal | " " " " " " " |
| Supreme Cotton Seed Meal | " " " " " " " |
| Pure Wheat Bran | Easton Milling Co., Easton, Maryland |
| Pure Wheat Bran | " " " " " " " |
| Pure Wheat Middlings | " " " " " " " |
| Pure Wheat Middlings | " " " " " " " |
| Illinois Brand Cotton Seed Meal | E. St. Louis Cot. Oil Co., Nat'l. Stock Yds., Ill. |
| *Pure Wheat Bran | A. W. Ecker and Son, Thurmont, Md. |
| *Pure Wheat Middlings | " " " " " " " |

*Star means deficient in Protein or Fat.
†Dagger means deficient in both Protein and Fat.

| Place Collected | Moisture | Protein | | Fat | | Fiber | | Ash | Nitrogen Free Extract |
|---|---|---|---|---|---|---|---|---|---|
| | | FOUND | Guaranteed | FOUND | Guaranteed | FOUND | Guaranteed | | |
| Baltimore | 6.08 | **42.56** | 43.00 | **8.33** | 6.00 | **7.05** | 10.00 | 7.20 | 28.78 |
| Cumberland | 15.73 | **10.35** | 10.00 | **2.43** | 3.50 | **2.93** | 8.00 | 1.10 | 67.46 |
| Baltimore | 10.00 | **12.81** | 12.00 | **1.23** | 1.00 | **30.10** | 35.00 | 7.95 | 37.91 |
| Hagerstown | 7.95 | **12.72** | 12.00 | **1.25** | 1.00 | **33.76** | 35.00 | 7.05 | 37.27 |
| Cumberland | 11.63 | **20.45** | 20.00 | **4.73** | 4.50 | **8.60** | 10.00 | 6.95 | 47.64 |
| Cumberland | 12.08 | **17.99** | 18.00 | **5.55** | 4.00 | **4.23** | 5.00 | 11.20 | 48.95 |
| Cumberland | 14.10 | **10.18** | 10.00 | **2.58** | 2.50 | **2.43** | 5.00 | 5.75 | 64.96 |
| Cumberland | 12.13 | **20.18** | 20.00 | **5.23** | 5.00 | **6.13** | 7.00 | 8.75 | 47.58 |
| Cumberland | 14.08 | **10.53** | 10.00 | **2.63** | 2.50 | **2.65** | 5.00 | 1.20 | 68.91 |
| Cumberland | 14.63 | **10.35** | 10.00 | **2.63** | 2.50 | **2.68** | 5.00 | 1.70 | 68.01 |
| Cumberland | 12.23 | **15.97** | 16.00 | **4.25** | 4.00 | **7.43** | 10.00 | 7.20 | 52.92 |
| Buckeystown | 11.20 | **16.24** | 14.00 | **4.45** | 4.00 | **10.23** | 11.00 | 6.55 | 51.33 |
| Sykesville | 11.65 | **17.77** | 15.00 | **4.48** | 4.00 | **5.05** | 6.00 | 5.50 | 55.55 |
| Buckeystown | 12.23 | **18.08** | 15.00 | **4.73** | 4.00 | **5.25** | 6.00 | 4.00 | 55.71 |
| Middletown | 8.78 | **15.97** | 14.00 | **4.55** | 4.00 | **8.25** | 11.00 | 6.00 | 56.45 |
| Greensboro | 13.03 | **13.86** | 14.00 | **4.43** | 3.50 | **7.03** | 10.00 | 4.95 | 56.70 |
| Greensboro | 13.83 | **13.43** | 14.00 | **3.40** | 4.00 | **2.95** | 5.00 | 2.68 | 63.71 |
| Baltimore | 8.30 | **46.07** | 50.00 | **12.58** | 10.00 | **2.68** | 2.00 | 27.95 | .24 |
| Laurel | 7.66 | **46.69** | 50.00 | **10.75** | 10.00 | **3.23** | 2.00 | 31.62 | .05 |
| Laurel | 12.70 | **46.25** | 50.00 | **11.20** | 10.00 | **3.00** | 2.00 | 26.04 | .81 |
| Pocomoke City | 13.87 | **17.90** | 18.00 | **5.72** | 5.00 | **6.27** | 8.00 | 6.65 | 49.59 |
| Annapolis | 10.73 | **20.88** | 20.00 | **4.65** | 4.50 | **6.78** | 10.00 | 5.10 | 51.86 |
| Annapolis | 13.83 | **9.48** | 9.00 | **2.85** | 2.50 | **3.05** | 5.00 | 1.55 | 69.24 |
| Baltimore | 10.78 | **10.55** | 10.00 | **3.56** | 3.00 | **6.87** | 12.00 | 3.69 | 64.55 |
| Annapolis | 10.73 | **21.06** | 20.00 | **5.53** | 5.00 | **7.43** | 7.50 | 7.50 | 50.75 |
| Baltimore | 4.33 | **30.36** | 30.00 | **3.53** | 3.00 | **5.80** | 9.00 | 55.45 | .53 |
| Baltimore | 3.95 | **29.92** | 30.00 | **4.53** | 3.00 | **4.80** | 9.00 | 56.20 | .60 |
| Parkton | 8.38 | **38.46** | 41.00 | **9.36** | 5.50 | **10.00** | 10.00 | 6.40 | 27.63 |
| Kennedyville | 5.80 | **40.24** | 41.00 | **7.53** | 5.50 | **9.63** | 10.00 | 7.20 | 29.60 |
| Chestertown | 7.05 | **40.89** | 41.00 | **7.35** | 5.50 | **10.07** | 10.00 | 6.60 | 28.26 |
| Taneytown | 6.85 | **41.42** | 41.00 | **7.98** | 5.50 | **9.33** | 10.00 | 6.55 | 27.87 |
| Frederick | 8.13 | **37.15** | 41.00 | **3.98** | 5.50 | **12.35** | 10.00 | 6.50 | 31.89 |
| Walkersville | 6.80 | **40.98** | 41.00 | **6.83** | 5.50 | **10.15** | 10.00 | 6.90 | 28.34 |
| Westminster | 12.95 | **34.02** | 36.00 | **5.85** | 5.00 | **13.65** | 14.00 | 5.95 | 27.58 |
| Westminster | 13.17 | **37.29** | 36.00 | **6.35** | 5.00 | **13.68** | 14.00 | 7.80 | 21.71 |
| Baltimore | 14.95 | **34.55** | 36.00 | **6.50** | 5.00 | **15.60** | 14.00 | 6.25 | 22.15 |
| Baltimore | 9.45 | **32.51** | 36.00 | **5.63** | 5.00 | **15.42** | 14.00 | 6.10 | 30.89 |
| Westminster | 8.03 | **36.16** | 36.00 | **6.78** | 5.00 | **13.30** | 14.00 | 6.68 | 29.05 |
| Easton | 11.78 | **13.51** | 14.00 | **4.55** | 4.00 | **9.18** | 10.00 | 6.13 | 54.85 |
| Easton | 11.15 | **14.48** | 14.00 | **3.80** | 4.00 | **9.20** | 10.00 | 6.20 | 55.17 |
| Easton | 12.80 | **15.62** | 15.00 | **4.53** | 4.00 | **3.25** | 6.00 | 3.25 | 60.55 |
| Easton | 12.10 | **14.13** | 15.00 | **4.08** | 4.00 | **3.68** | 6.00 | 3.03 | 62.98 |
| Greensboro | 8.41 | **41.24** | 41.00 | **6.95** | 6.00 | **9.50** | 12.00 | 6.45 | 27.45 |
| Thurmont | 10.90 | **16.85** | 14.00 | **3.43** | 4.00 | **9.49** | 13.00 | 6.90 | 52.43 |
| Thurmont | 11.43 | **16.15** | 15.00 | **3.93** | 5.00 | **4.10** | 11.00 | 3.20 | 61.19 |

1924—Complete Analyses of Feeds Collected—1924—Continued.

| Name of Feed | Name of Manufacturer |
|---|---|
| Best 20% Laying Mash | Eddington and Co., Inc., Salisbury, Md. |
| Pure Wheat Bran | W. T. Eddington and Son, Federalsburg, Md. |
| Pure Wheat Bran | " " " " " " " |
| †Pure Wheat Middlings | " " " " " " " |
| *Pure Wheat Middlings | " " " " " " " |
| 16½% Protein Dairy Feed | James L. Ely, Fallston, Maryland |
| 32% Protein Dairy Feed | " " " " " |
| 24% Protein Dairy Feed | " " " " " |
| *Meadowbrook Laying Mash | Englar and Sponseller, Westminster, Md. |
| Conestoga 18 Dairy Feed | John W. Eshelman and Sons, Lancaster, Pa. |
| *Conestoga Sugared Mash | " " " " " " " |
| Garden Spot Horse Feed | " " " " " " " |
| Garden Spot Horse Feed | " " " " " " " |
| Golden Rod 25 Dairy Feed | " " " " " " " |
| Golden Rod 25 Dairy Feed | " " " " " " " |
| Growing Mash | " " " " " " " |
| *Hog Meal | " " " " " " " |
| Intermediate Chick Feed | " " " " " " " |
| Imperial Scratch Feed | " " " " " " " |
| Lancaster 20 Dairy Feed | " " " " " " " |
| Lancaster 20 Dairy Feed | " " " " " " " |
| Lancaster 60 Horse Feed | " " " " " " " |
| Laying Mash | " " " " " " " |
| Laying Mash | " " " " " " " |
| Liberty Horse Feed | " " " " " " " |
| Liberty Horse Feed | " " " " " " " |
| *Open Formula 24 Dairy Feed | " " " " " " " |
| Pennsy 16 Dairy Feed | " " " " " " " |
| Pennsy Chick Feed | " " " " " " " |
| Pennsy Scratch Feed | " " " " " " " |
| Red Rose 24% Dairy Feed | " " " " " " " |
| Red Rose 85 Horse Feed | " " " " " " " |
| Red Rose 85 Horse Feed | " " " " " " " |
| *Scratch Feed | " " " " " " " |
| Special Pigeon Feed | " " " " " " " |
| Tally Ho Horse Feed | " " " " " " " |
| Wheat Red Dog | " " " " " " " |
| Pure Wheat Bran | Everett, Aughenbaugh and Co., Waseca, Minn |
| Wheat St'ndrd. Middlings, with Gr'd. Scrn'gs | " " " " " " |
| *Spec. Fine Middlings, with Grd Scrn.n.ex.m.r. | Fairchild Milling Co., Cleveland, Ohio |
| Bull Brand Dried Brewers Grains | Farmers Feed Co., New York, N. Y. |
| Laying Mash | Farmers Fert. & Feed Co., Westminster, Md. |
| Pure Winter Wht. Bran, with Mill Run Scrng | Farmers Mlg. & Gr. Co., Mt. Airy, Md. |
| Pure Winter Wht Midlgs, with Mill Run Scrn. | " " " " " " " |
| *Lucky Hard Wht Bran, with Gr'd. Scrngs. | Federal Mill & Elev. Co., Inc., Lockport, N. Y. |
| Pure Wheat Bran | Federalsburg Milling Co., Fed'lsbg., Md. |
| Pure Wheat Middlings | " " " " " |

*Star means deficient in Protein or Fat.
†Dagger means deficient in both Protein and Fat.

| Place Collected | Moisture | Protein | | Fat | | Fiber | | Ash | Nitrogen Free Extract |
|---|---|---|---|---|---|---|---|---|---|
| | | FOUND | Guaranteed | FOUND | Guaranteed | FOUND | Guaranteed | | |
| Salisbury | 11.00 | **21.41** | 20.00 | **5.80** | 5.00 | **9.25** | 6.00 | 10.23 | 42.31 |
| Federalsburg | 12.15 | **15.36** | 14.00 | **4.65** | 4.00 | **6.45** | 11.00 | 6.04 | 55.35 |
| Federalsburg | 11.18 | **15.62** | 14.00 | **3.75** | 4.00 | **8.18** | 11.00 | 5.98 | 55.29 |
| Federalsburg | 12.83 | **14.83** | 16.00 | **3.75** | 4.50 | **2.80** | 6.00 | 2.85 | 63.04 |
| Federalsburg | 13.13 | **14.92** | 16.00 | **4.08** | 4.50 | **3.18** | 6.00 | 2.98 | 61.71 |
| Baltimore | 10.48 | **16.41** | 16.50 | **3.35** | 3.50 | **13.03** | 12.00 | 8.20 | 48.53 |
| Baltimore | 9.88 | **31.72** | 32.00 | **4.90** | 4.50 | **8.48** | 9.00 | 6.00 | 39.02 |
| Baltimore | 9.63 | **24.92** | 24.00 | **5.13** | 5.00 | **9.15** | 9.00 | 5.75 | 45.42 |
| Westminster | 11.08 | **21.50** | 21.45 | **4.95** | 5.98 | **11.80** | 10.75 | 7.40 | 43.27 |
| Chestertown | 10.15 | **18.65** | 18.00 | **4.15** | 3.50 | **9.82** | 10.00 | 5.42 | 51.81 |
| Chestertown | 12.43 | **17.99** | 20.00 | **4.68** | 5.00 | **6.38** | 10.00 | 8.00 | 50.52 |
| St. Michaels | 11.05 | **8.14** | 7.00 | **1.82** | 2.00 | **5.84** | 10.00 | 5.10 | 63.05 |
| Clinton | 11.90 | **8.15** | 7.00 | **2.68** | 2.00 | **8.12** | 10.00 | 5.28 | 63.87 |
| Baltimore | 10.25 | **24.48** | 25.00 | **4.58** | 5.00 | **10.13** | 10.00 | 5.80 | 44.76 |
| Sudlersville | 11.74 | **26.15** | 25.00 | **4.51** | 5.00 | **10.61** | 10.00 | 5.22 | 41.78 |
| Frederick | 12.55 | **17.72** | 16.00 | **5.28** | 4.00 | **5.75** | 8.00 | 5.25 | 53.45 |
| Clinton | 11.80 | **18.08** | 16.00 | **3.92** | 5.00 | **7.83** | 6.00 | 4.55 | 53.82 |
| Frederick | 12.38 | **10.88** | 10.00 | **3.08** | 3.00 | **2.30** | 3.00 | 1.30 | 70.06 |
| Baltimore | 14.13 | **9.74** | 9.00 | **2.88** | 3.00 | **2.68** | 4.00 | 1.50 | 69.07 |
| Frederick | 10.32 | **20.99** | 20.00 | **3.66** | 4.00 | **10.28** | 10.00 | 5.49 | 49.26 |
| Kennedyville | 5.75 | **24.24** | 20.00 | **4.07** | 4.00 | **9.52** | 10.00 | 6.43 | 49.99 |
| St. Michaels | 10.93 | **9.18** | 9.00 | **3.09** | 2.50 | **10.71** | 10.00 | 5.50 | 60.59 |
| Hyattsville | 11.15 | **20.80** | 20.00 | **5.80** | 5.00 | **5.55** | 7.00 | 7.52 | 49.18 |
| Kennedyville | 11.35 | **19.93** | 20.00 | **5.93** | 5.00 | **5.45** | 7.00 | 7.80 | 49.54 |
| Baltimore | 11.88 | **6.41** | 7.00 | **1.98** | 2.00 | **6.70** | 10.00 | 6.35 | 66.68 |
| Baltimore | 14.30 | **8.75** | 7.00 | **2.65** | 2.00 | **7.92** | 10.00 | 7.44 | 58.94 |
| Elkton | 10.80 | **23.64** | 24.00 | **4.00** | 5.00 | **8.25** | 9.00 | 5.08 | 48.23 |
| Frederick | 9.60 | **18.28** | 16.00 | **3.10** | 3.00 | **12.05** | 10.00 | 5.97 | 51.00 |
| Frederick | 13.55 | **10.79** | 9.00 | **3.00** | 3.00 | **1.60** | 3.00 | 1.95 | 69.11 |
| Frederick | 14.00 | **9.30** | 9.00 | **3.13** | 3.00 | **2.45** | 4.00 | 1.35 | 69.77 |
| Frederick | 10.24 | **24.41** | 24.00 | **4.04** | 5.00 | **10.70** | 10.00 | 5.76 | 44.85 |
| Goldsboro | 11.98 | **10.22** | 9.00 | **2.92** | 3.00 | **5.84** | 10.00 | 2.96 | 66.08 |
| Baltimore | 9.75 | **9.49** | 9.00 | **3.50** | 3.00 | **8.37** | 10.00 | 4.00 | 64.89 |
| Baltimore | 13.18 | **10.35** | 10.00 | **2.47** | 3.00 | **3.13** | 4.00 | 1.60 | 69.27 |
| Hyattsville | 11.38 | **14.30** | 10.00 | **3.98** | 3.00 | **4.03** | 3.00 | 2.10 | 64.21 |
| Baltimore | 15.32 | **7.47** | 7.00 | **1.91** | 2.00 | **7.20** | 10.00 | 7.22 | 60.88 |
| Chestertown | 11.88 | **16.50** | 16.00 | **4.13** | 4.50 | **3.83** | 4.00 | 3.30 | 60.36 |
| Baltimore | 11.25 | **14.92** | 14.50 | **5.40** | 4.00 | **10.70** | 11.00 | 6.45 | 51.28 |
| Baltimore | 11.08 | **15.09** | 15.00 | **4.88** | 3.00 | **10.08** | 9.50 | 4.50 | 54.37 |
| Parkton | 11.95 | **15.36** | 15.00 | **3.59** | 5.00 | **5.40** | 6.00 | 3.20 | 60.50 |
| Baltimore | 6.03 | **22.03** | 22.00 | **5.95** | 6.00 | **18.88** | 15.00 | 4.10 | 43.01 |
| Westminster | 10.00 | **21.85** | 20.00 | **6.35** | 5.00 | **10.05** | 10.00 | 7.90 | 43.85 |
| Mt. Airy | 10.83 | **16.24** | 14.00 | **3.83** | 4.00 | **8.73** | 10.50 | 6.10 | 54.27 |
| Mt. Airy | 12.68 | **17.07** | 15.00 | **4.08** | 4.00 | **3.40** | 6.00 | 3.20 | 59.57 |
| Mt. Lake Park | 11.25 | **16.15** | 15.50 | **4.48** | 5.00 | **10.20** | 12.00 | 7.20 | 50.72 |
| Federalsburg | 12.03 | **14.04** | 14.00 | **5.08** | 4.00 | **7.90** | 9.00 | 4.98 | 55.97 |
| Federalsburg | 12.85 | **15.27** | 15.00 | **4.90** | 4.00 | **4.40** | 6.00 | 3.37 | 59.21 |

1924—Complete Analyses of Feeds Collected—1924—Continued.

| Name of Feed | Name of Manufacturer |
|---|---|
| Eureka Chick Feed | Federal Mlg. & Refrig. Co., Hagerstown, Md. |
| Eureka Laying Mash | " " " " " " " |
| Eureka Scratch Feed | " " " " " " " |
| *Federal Dairy Ration | " " " " " " " |
| Federal Stock Feed | " " " " " " " |
| *Federal Stock Feed | " " " " " " " |
| *Federal Stock Feed | " " " " " " " |
| Federal Scratch Feed | " " " " " " " |
| Grow Big Hog Feed | " " " " " " " |
| †Matchless Dairy Feed | " " " " " " " |
| †Matchless Dairy Feed | " " " " " " " |
| *Makes-Em-Lay Mash | " " " " " " " |
| Makes-Em-Grow Mash | " " " " " " " |
| Pure Bran | " " " " " " " |
| Special Scratch Feed | " " " " " " " |
| Standard Middlings | " " " " " " " |
| *Feed-Mor Digester Tankage | Feed Mor Prods. Co., Westminster, Md. |
| *Feed-Mor Digester Tankage | " " " " " " " |
| *Feed-Mor Digester Tankage | " " " " " " " |
| *Feed-Mor Meat Meal | " " " " " " " |
| *Special Feed-Mor Meat Meal | " " " " " " " |
| *Special Feed-Mor Meat Meal | " " " " " " " |
| Gambrills Dairy Feed | Frederick Co. Fm'rs. Exchg., Frederick, Md. |
| Gambrills Dairy Feed | " " " " " " " |
| Gambrills Dairy Feed | " " " " " " " |
| Gambrills Buttermilk Chick Mash | " " " " " " " |
| Gambrills Laying Mash | " " " " " " " |
| Gambrills Scratch Feed | " " " " " " " |
| Red Tag Dairy Feed | " " " " " " " |
| Pureox Brand Meat and Bone Scraps | Fritz Bros. Co., Fort Washington, Pa. |
| Pureox Brand Meat and Bone Scraps | " " " " " " " |
| Quaker City Quality Br. Mt. and Bone Scraps | " " " " " " " |
| *Quaker City Brand Meat and Bone Scraps | |
| *Biddy's Own Scratch Feed | Galesburg Molasses Feed Co., Galesburg, Ill. |
| *Corn and Oats Feed | " " " " " " " |
| †Dependable Horse Feed | " " " " " " " |
| *Gamo Baby Chick Feed | " " " " " " " |
| *Gamo Developing Feed | " " " " " " " |
| Gamo Egg Mash | " " " " " " " |
| *Gamo Horse Feed | " " " " " " " |
| Gamo Horse Feed | " " " " " " " |
| Patapsco Chow | C.A. Gambrill Mfg. Co. Inc., Ellicott City, Md. |
| Patapsco Mill Feed | " " " " " " " " |
| Patapsco Wheat Bran and Ground Recleaned Wheat Screenings n. ex. m. r. | " " " " " " " " |
| Pure Wheat White Middlings | " " " " " " " " |
| *Pure Wheat White Middlings | " " " " " " " " |

*Star means deficient in Protein or Fat.
†Dagger means deficient in both Protein and Fat.

| Place Collected | Moisture | Protein | | Fat | | Fiber | | Ash | Nitrogen Free Extract |
|---|---|---|---|---|---|---|---|---|---|
| | | FOUND | Guaranteed | FOUND | Guaranteed | FOUND | Guaranteed | | |
| Frederick | 13.90 | **9.83** | 10.00 | **3.78** | 2.50 | **2.00** | 5.00 | 1.55 | 68.94 |
| Annapolis | 10.65 | **20.53** | 18.00 | **5.00** | 4.00 | **6.50** | 6.00 | 7.05 | 50.27 |
| Hagerstown | 12.95 | **11.41** | 10.00 | **3.00** | 2.50 | **3.83** | 5.00 | 1.85 | 66.96 |
| Hagerstown | 10.78 | **24.13** | 24.00 | **3.37** | 7.00 | **8.93** | 10.00 | 6.25 | 46.54 |
| Berlin | 9.14 | **10.53** | 10.00 | **4.70** | 5.00 | **5.58** | 10.00 | 4.68 | 65.37 |
| Hagerstown | 9.55 | **10.00** | 10.00 | **3.58** | 5.00 | **10.13** | 10.00 | 4.60 | 62.14 |
| Hagerstown | 11.10 | **11.41** | 10.00 | **2.70** | 5.00 | **8.65** | 10.00 | 3.40 | 62.74 |
| Hagerstown | 11.70 | **10.71** | 10.00 | **2.75** | 2.50 | **3.10** | 5.00 | 2.00 | 69.74 |
| Hagerstown | 12.93 | **14.92** | 14.50 | **4.02** | 4.50 | **3.88** | 7.00 | 4.10 | 60.15 |
| Hagerstown | 10.40 | **17.64** | 19.44 | **3.53** | 4.71 | **12.00** | 8.41 | 5.30 | 51.13 |
| Hagerstown | 10.58 | **15.89** | 19.44 | **3.65** | 4.71 | **16.28** | 8.41 | 6.10 | 47.50 |
| Hagerstown | 11.58 | **19.83** | 20.00 | **4.15** | 5.00 | **10.10** | 8.00 | 6.80 | 47.54 |
| Hagerstown | 12.78 | **13.16** | 10.00 | **6.00** | 5.00 | **3.40** | 5.00 | 5.30 | 59.36 |
| Hagerstown | 10.08 | **15.36** | 15.00 | **3.55** | 4.00 | **10.03** | 9.50 | 7.17 | 63.81 |
| Hagerstown | 10.25 | **11.58** | 10.00 | **2.80** | 2.50 | **3.73** | 5.00 | 2.20 | 68.44 |
| Hagerstown | 10.10 | **16.23** | ------ | **4.95** | ------ | **6.80** | ------ | 5.30 | 56.62 |
| Westminster | 4.83 | **42.24** | 45.00 | **18.85** | 5.00 | **3.05** | 2.50 | 27.65 | 3.38 |
| Westminster | 5.08 | **43.75** | 45.00 | **21.08** | 5.00 | **2.90** | 2.50 | 24.95 | 2.24 |
| Walkersville | 6.63 | **42.91** | 45.00 | **20.55** | 5.00 | **2.98** | 2.50 | 23.40 | 3.53 |
| Westminster | 6.23 | **42.56** | 50.00 | **15.55** | 5.00 | **1.58** | 4.00 | 31.60 | 2.48 |
| Westminster | 5.90 | **46.68** | 55.00 | **14.20** | 5.00 | **1.60** | 4.00 | 28.85 | 10.80 |
| Westminster | 5.50 | **46.69** | 55.00 | **17.98** | 5.00 | **1.83** | 4.00 | 27.45 | .55 |
| Middletown | 9.24 | **16.36** | 16.50 | **4.00** | 3.50 | **14.52** | 14.00 | 6.53 | 49.36 |
| Frederick | 11.08 | **17.18** | 16.50 | **3.38** | 3.50 | **14.51** | 14.00 | 5.91 | 47.94 |
| Buckeystown | 7.94 | **17.28** | 16.50 | **3.62** | 3.50 | **16.00** | 14.00 | 6.28 | 48.88 |
| Frederick | 11.43 | **20.05** | 16.00 | **4.90** | 3.50 | **3.95** | 8.00 | 6.25 | 53.42 |
| Frederick | 12.30 | **21.67** | 20.00 | **4.68** | 3.50 | **4.30** | 8.00 | 5.00 | 52.05 |
| Frederick | 12.80 | **10.79** | 10.00 | **3.25** | 3.00 | **3.10** | 6.00 | 1.60 | 68.46 |
| Frederick | 10.93 | **15.53** | 15.00 | **5.70** | 3.00 | **11.78** | 15.00 | 7.50 | 48.56 |
| Hagerstown | 6.75 | **58.18** | 55.00 | **11.95** | 10.00 | **4.49** | 2.00 | 22.30 | ------ |
| Berlin | 7.33 | **55.11** | 55.00 | **11.88** | 10.00 | **3.15** | 2.00 | 22.43 | .10 |
| Centreville | 7.27 | **53.71** | 50.00 | **10.84** | 10.00 | **3.73** | 2.00 | 23.86 | .59 |
| Smithsburg | 7.55 | **53.83** | 45.00 | **8.80** | 10.00 | **2.30** | 2.00 | 27.50 | .02 |
| Baltimore | 14.70 | **10.27** | 10.00 | **2.52** | 3.50 | **3.05** | 3.00 | 1.65 | 65.81 |
| Baltimore | 11.90 | **10.71** | 10.50 | **3.93** | 4.50 | **6.15** | 7.00 | 2.85 | 64.46 |
| Baltimore | 13.18 | **8.91** | 10.50 | **2.71** | 3.50 | **11.88** | 12.00 | 4.65 | 58.67 |
| Baltimore | 13.85 | **10.44** | 11.00 | **2.74** | 4.00 | **3.10** | 5.00 | 1.75 | 68.12 |
| Baltimore | 14.10 | **10.71** | 10.50 | **2.18** | 3.00 | **2.23** | 3.00 | 1.25 | 69.53 |
| Baltimore | 12.63 | **19.83** | 20.00 | **5.23** | 4.00 | **7.08** | 8.00 | 5.85 | 49.38 |
| Baltimore | 12.10 | **11.76** | 10.50 | **3.00** | 4.00 | **7.90** | 10.00 | 3.52 | 61.72 |
| Baltimore | 11.45 | **10.41** | 10.50 | **3.71** | 4.00 | **9.50** | 10.00 | 4.91 | 60.02 |
| Millersville | 8.63 | **20.88** | 20.00 | **4.20** | 4.00 | **10.68** | 12.00 | 6.00 | 49.61 |
| Baltimore | 12.45 | **15.27** | 15.00 | **4.98** | 4.00 | **9.63** | 9.50 | 5.65 | 52.02 |
| Baltimore | 11.78 | **15.09** | 14.50 | **4.90** | 4.00 | **8.78** | 9.50 | 6.19 | 53.26 |
| Baltimore | 10.80 | **16.58** | 16.50 | **5.08** | 5.00 | **5.48** | 3.25 | 3.76 | 58.30 |
| Baltimore | 11.38 | **16.67** | 16.50 | **4.48** | 5.00 | **4.20** | 3.25 | 3.40 | 59.87 |

1924—Complete Analyses of Feeds Collected—1924—Continued.

| Name of Feed | Name of Manufacturer |
|---|---|
| *Pure Wheat White Middlings | C.A.Gambrill Mfg. Co. Inc., Ellicott City, Md. |
| Pure Wheat White Middlings | " " " " " " " " |
| *Pure Wheat White Middlings | " " " " " " " " |
| *Pure Wheat White Middlings | " " " " " " " " |
| Alice-Anna Dairy Feed | Gambrill Grain Prods. Co., Baltimore, Md. |
| Alice-Anna Horse Feed | " " " " " " " |
| Alice-Anna Horse Feed | " " " " " " " |
| Alice-Anna Scratch Feed | " " " " " " " |
| *Canton Horse Feed | " " " " " " " |
| *Canton Horse Feed | " " " " " " " |
| Gambrill's A-1 Dairy Ration | " " " " " " " |
| Pure Winter Wheat Bran | Glade Valley Milling Co., Walkersville, Md. |
| Pure Winter Wheat Middlings | " " " " " " |
| Wheat Bran, with Ground Screenings n. ex. m. r. | Grafton Flour Milling and Grain Elevator Co., Grafton, Ohio. |
| Wheat Bran, with Ground Screenings, n. ex. m. r. | " " " " " " |
| Advance Dairy Feed | Grain Marketing Co., Chicago, Illinois |
| Advance Scratch Feed, No Grit | " " " " " " |
| Vitality Egg Mash | " " " " " " |
| Vitality Hog Feed, with Dried Buttermilk and Pure Blood Meal | " " " " " " |
| Vitality Milk Ration | " " " " " " |
| Green Tag Cotton Seed Meal | Green-Mish Company, Washington, D. C. |
| Green Tag Cotton Seed Meal | " " " " " " |
| Green Tag Cotton Seed Meal | " " " " " " |
| *Green Tag Cotton Seed Meal | " " " " " " |
| Green Tag Cotton Seed Meal | " " " " " " |
| *Green Tag Cotton Seed Meal | " " " " " " |
| *Green Tag Cotton Seed Meal | " " " " " " |
| Green Tag Cotton Seed Meal | " " " " " " |
| Green Tag Cotton Seed Meal | " " " " " " |
| Green Tag Cotton Seed Meal | " " " " " " |
| Chick Feed | Green Valley Milling Co., Cambridge, Md. |
| *Chick Feed | " " " " " " |
| Pure Wheat Bran | " " " " " " |
| Pure Wheat Bran | " " " " " " |
| Pure Wheat Middlings | " " " " " " |
| Pure Wheat Middlings | " " " " " " |
| Kingfalfa Horse Feed | Hales and Hunter Company, Chicago, Ill. |
| Lo-Kost Fine Chick No Grit | " " " " " " |
| Morning Glory Egg Mash, with Dried Buttermilk | " " " " " " |
| Pound Squab Pigeon Feed | " " " " " " |
| Red Comb Coarse Chick | " " " " " " |
| *Red Comb Chick Starter, with Dried Buttermilk | " " " " " " |

*Star means deficient in Protein or Fat.

| Place Collected | Moisture | Protein | | Fat | | Fiber | | Ash | Nitrogen Free Extract |
|---|---|---|---|---|---|---|---|---|---|
| | | FOUND | Guaranteed | FOUND | Guaranteed | FOUND | Guaranteed | | |
| Baltimore | 11.63 | **15.62** | 16.50 | **3.58** | 5.00 | **4.44** | 3.25 | 3.57 | 61.16 |
| Baltimore | 11.03 | **17.20** | 16.50 | **4.95** | 5.00 | **4.88** | 3.25 | 3.85 | 58.09 |
| Hyattsville | 10.88 | **16.32** | 16.50 | **4.48** | 5.00 | **3.90** | 3.25 | 3.60 | 60.82 |
| Baltimore | 9.80 | **16.41** | 16.50 | **4.50** | 5.00 | **5.45** | 3.25 | 3.60 | 60.24 |
| Baltimore | 8.65 | **17.05** | 16.50 | **3.51** | 4.00 | **13.18** | 14.00 | 8.30 | 49.31 |
| Baltimore | 10.05 | **6.97** | 7.00 | **2.75** | 2.00 | **10.05** | 12.10 | 5.35 | 64.80 |
| Laurel | 14.45 | **9.05** | 7.00 | **3.30** | 2.00 | **8.39** | 12.10 | 4.84 | 59.97 |
| Baltimore | 12.23 | **10.35** | 9.00 | **3.15** | 2.00 | **3.00** | 8.00 | 1.55 | 69.72 |
| Annapolis | 13.35 | **7.14** | 7.00 | **1.92** | 3.00 | **7.20** | 12.10 | 8.00 | 62.39 |
| Baltimore | 11.62 | **7.50** | 7.00 | **1.90** | 3.00 | **8.64** | 12.10 | 9.20 | 61.14 |
| Baltimore | 10.08 | **25.45** | 25.00 | **5.75** | 6.00 | **8.68** | 9.00 | 6.10 | 43.94 |
| Thurmont | 10.35 | **15.97** | 15.00 | **3.60** | 4.00 | **9.80** | 12.00 | 7.50 | 52.78 |
| Middletown | 11.15 | **16.32** | 16.00 | **3.60** | 4.00 | **3.30** | 6.00 | 3.00 | 62.63 |
| Hagerstown | 9.95 | **15.53** | 15.00 | **4.85** | 4.00 | **10.48** | 12.00 | 5.35 | 53.84 |
| Frederick | 11.98 | **15.45** | 15.00 | **5.03** | 4.00 | **9.78** | 12.00 | 5.50 | 52.26 |
| Hampstead | 10.20 | **15.80** | 16.00 | **6.82** | 3.50 | **13.00** | 14.00 | 7.00 | 57.18 |
| Hampstead | 12.50 | **10.35** | 10.00 | **3,48** | 2.00 | **2.60** | 6.00 | 1.80 | 69.27 |
| Baltimore | 9.70 | **20.97** | 20.00 | **4.78** | 4.00 | **6.35** | 8.00 | 8.30 | 49.90 |
| Hampstead | 11.10 | **16.67** | 14.00 | **4.80** | 3.50 | **6.85** | 9.50 | 7.00 | 53.58 |
| Hampstead | 9.30 | **24.57** | 24.00 | **5.68** | 5.00 | **10.35** | 10.00 | 5.10 | 45.00 |
| Silver Springs | 6.63 | **41.07** | 41.00 | **6.65** | 7.00 | **11.83** | 10.00 | 6.45 | 27.37 |
| Rising Sun | 7.68 | **42.12** | 41.00 | **7.50** | 7.00 | **11.10** | 10.00 | 6.00 | 25.60 |
| Silver Springs | 8.70 | **40.37** | 41.00 | **8.20** | 7.00 | **7.90** | 10.00 | 8.40 | 26.43 |
| Sykesville | 6.23 | **41.90** | 43.00 | **8.78** | 6.00 | **8.30** | 10.00 | 6.90 | 27.89 |
| Westminster | 5.90 | **37.82** | 36.00 | **6.60** | 5.50 | **13.75** | 14.00 | 7.60 | 28.33 |
| Baltimore | 8.68 | **34.66** | 36.00 | **6.23** | 5.50 | **15.30** | 14.00 | 6.71 | 28.42 |
| Baltimore | 7.15 | **34.86** | 36.00 | **6.58** | 5.50 | **13.88** | 14.00 | 6.79 | 30.74 |
| Westminster | 6.98 | **37.29** | 36.00 | **6.10** | 5.50 | **14.75** | 14.00 | 5.90 | 28.98 |
| Thurmont | 7.38 | **37.56** | 36.00 | **5.85** | 5.50 | **14.78** | 14.00 | 6.00 | 28.43 |
| Hyattsville | 10.20 | **35.80** | 36.00 | **6.45** | 5.50 | **13.35** | 14.00 | 6.30 | 27.90 |
| Cambridge | 13.23 | **10.35** | 9.65 | **4.43** | 4.37 | **3.63** | 2.78 | 1.75 | 66.61 |
| Cambridge | 12.93 | **9.83** | 9.65 | **2.80** | 4.37 | **2.35** | 2.78 | 1.86 | 70.23 |
| Cambridge | 12.33 | **14.22** | 14.00 | **4.00** | 3.50 | **8.43** | 10.00 | 6.52 | 54.50 |
| Cambridge | 12.15 | **16.41** | 14.00 | **4.43** | 3.50 | **8.30** | 10.00 | 6.11 | 52.60 |
| Cambridge | 12.38 | **17.12** | 15.00 | **4.10** | 3.50 | **2.68** | 5.00 | 3.85 | 59.87 |
| Cambridge | 12.70 | **15.18** | 15.00 | **4.50** | 3.50 | **3.25** | 5.00 | 3.52 | 60.85 |
| Sparrows Point | 9.20 | **10.29** | 10.00 | **3.32** | 2.00 | **10.78** | 15.00 | 4.40 | 62.01 |
| Baltimore | 12.38 | **9.83** | 10.00 | **2.75** | 2.50 | **4.45** | 5.00 | 1.31 | 69.28 |
| Baltimore | 10.30 | **16.50** | 16.00 | **4.18** | 4.50 | **5.95** | 9.00 | 5.75 | 57.32 |
| Baltimore | 13.48 | **12.99** | 10.00 | **2.63** | 2.50 | **3.88** | 5.00 | 3.07 | 63.95 |
| Laurel | 12.10 | **10.53** | 10.00 | **2.80** | 2.50 | **2.65** | 5.00 | 1.25 | 70.67 |
| Baltimore | 12.05 | **13.73** | 15.00 | **5.33** | 5.00 | **3.90** | 5.00 | ------ | ------ |

1924—Complete Analyses of Feeds Collected—1924—Continued.

| Name of Feed | Name of Manufacturer |
|---|---|
| Red Comb Fine Chick, with Grit | Hales and Hunter Company, Chicago, Ill. |
| Red Comb Scratch Feed | " " " " " " |
| Better Luck Horse Feed | Dwight Hamlin, Inc., Pittsburg, Pa. |
| Choice Corn Feed Meal | " " " " " |
| Diamond Horse Feed | " " " " " |
| Fort Pitt Chick Feed | " " " " " |
| Green Quality Horse Feed | " " " " " |
| Radio Scratch Feed | " " " " " |
| *Special Molasses Feed | " " " " " |
| Special Molasses Feed | " " " " " |
| Soft Winter Wheat Bran | Hardesty Milling Do., Dover, Ohio |
| Soft Winter Wheat Middlings | " " " " " |
| Cotton Seed Meal | Hartsville Oil Mill, Hartsville, S. c. |
| *Terrapin Brand Fish Meal | Hugh J. Hazlehurst, Baltimore, Maryland |
| Terrapin Brand Fish Meal | " " " " " |
| Terrapin Brand Fish Meal | " " " " " |
| Terrapin Brand Fish Meal | " " " " " |
| Terrapin Brand Meat Scraps | " " " " " |
| *Terrapin Brand Meat Scraps | " " " " " |
| *Terrapin Brand Meat Scraps | " " " " " |
| *Terrapin Brand Meat Scraps | " " " " " |
| *Terrapin Brand Meat Scraps | " " " " " |
| *Terrapin Brand Meat Scraps | " " " " " |
| Pure Wheat Bran | Hebron Milling Co., Hebron, Maryland |
| Pure Wheat Bran | " " " " " |
| Pure Wheat Middlings | " " " " " |
| Pure Wheat Middlings | " " " " " |
| Pure Wheat Bran | Hendrix Supply Co., White Hall, Maryland |
| †Pure Wheat Middlings | " " " " " |
| Keystone Baby Chick Starter | Hespenheide and Thompson, York, Pa. |
| Keystone Chick Feed | " " " " " |
| Keystone Growing Mash | " " " " " |
| †Wheat Bran, with Corn Bran | Hickerson Brothers, Rockville, Maryland |
| *Wheat Bran, with Corn Bran | " " " " |
| Pure Wheat Middlings | " " " " |
| Pure Wheat Bran | J. E. Highman and Sons, Millington, Md. |
| Pure Wheat Middlings | " " " " |
| *Algrane Developing Feed | H-O Cereal Company, Inc., Buffalo, N. Y. |
| Life Saver Steam Cooked Chick Feed | " " " " " " " |
| Best Dairy Feed | W. S. Hoge and Bro., Washington, D. C. |
| †Best Dairy Feed | " " " " " " |
| Best Chick Feed | " " " " " " |
| Bone and Meat Scrap | " " " " " " |
| *Bone and Meat Scrap | " " " " " " |
| Capital City Dairy Feed | " " " " " " |
| Columbia Dairy Feed | " " " " " " |
| D. C. Chick Feed | " " " " " " |

*Star means deficient in Protein or Fat.
†Dagger means deficient in both Protein and Fat.

| Place Collected | Moisture | Protein | | Fat | | Fiber | | Ash | Nitrogen Free Extract |
|---|---|---|---|---|---|---|---|---|---|
| | | FOUND | Guaranteed | FOUND | Guaranteed | FOUND | Guaranteed | | |
| Baltimore | 11.30 | **10.18** | 10.00 | **2.30** | 2.50 | **1.63** | 5.00 | 7.79 | 54.42 |
| Laurel | 12.35 | **10.44** | 10.00 | **2.80** | 2.50 | **3.20** | 5.00 | 1.54 | 69.67 |
| Baltimore | 11.78 | **9.01** | 6.00 | **2.98** | 2.00 | **5.88** | 10.00 | 5.54 | 64.81 |
| Baltimore | 12.83 | **8.55** | 9.00 | **3.85** | 3.00 | **2.30** | 4.00 | 1.60 | 70.87 |
| Baltimore | 11.70 | **9.91** | 9.00 | **3.93** | 1.50 | **6.96** | 10.00 | 2.80 | 64.70 |
| Baltimore | 12.73 | **12.55** | 9.00 | **4.25** | 4.00 | **5.30** | 5.00 | 3.05 | 62.12 |
| Baltimore | 12.85 | **9.22** | 9.00 | **2.25** | 1.50 | **10.82** | 12.00 | 5.44 | 59.42 |
| Baltimore | 11.45 | **10.97** | 9.50 | **2.60** | 2.50 | **3.50** | 5.00 | 1.85 | 69.63 |
| Baltimore | 12.70 | **5.40** | 6.00 | **1.34** | 2.00 | **9.60** | 10.00 | 6.60 | 64.36 |
| Baltimore | 12.40 | **7.72** | 6.00 | **2.54** | 2.00 | **7.85** | 10.00 | 4.71 | 64.78 |
| Waldorf | 11.93 | **15.45** | 14.80 | **3.13** | 3.00 | **8.73** | 11.50 | 7.40 | 53.36 |
| Waldorf | 11.53 | **17.46** | 16.70 | **4.95** | 5.00 | **6.28** | 7.30 | 4.50 | 55.28 |
| Boyds | 6.85 | **41.24** | 41.12 | **6.78** | 4.00 | **11.40** | 10.00 | 6.50 | 27.23 |
| Baltimore | 8.38 | **53.62** | 55.00 | **9.20** | 8.00 | **1.05** | 2.00 | 21.00 | 6.75 |
| Baltimore | 8.38 | **56.51** | 55.00 | **10.18** | 8.00 | **.83** | 2.00 | 18.70 | 5.40 |
| Baltimore | 9.38 | **56.78** | 55.00 | **11.75** | 8.00 | **.53** | 2.00 | 17.23 | 3.52 |
| Baltimore | 11.00 | **57.52** | 55.00 | **11.38** | 8.00 | **1.10** | 2.00 | 16.92 | 2.08 |
| Baltimore | 10.40 | **54.10** | 55.00 | **15.45** | 10.00 | **1.65** | 2.00 | 18.00 | .40 |
| Preston | 6.95 | **50.49** | 55.00 | **14.90** | 10.00 | **1.95** | 2.00 | 24.68 | 1.03 |
| Frederick | 6.18 | **43.27** | 50.00 | **16.65** | 10.00 | **1.75** | 2.00 | 31.60 | .55 |
| Baltimore | 5.30 | **48.62** | 50.00 | **13.78** | 10.00 | **1.70** | 2.00 | 29.00 | 1.60 |
| Baltimore | 6.50 | **48.53** | 50.00 | **13.78** | 10.00 | **1.83** | 2.00 | 26.50 | 2.86 |
| Baltimore | 4.38 | **43.85** | 45.00 | **17.95** | 10.00 | **2.05** | 2.00 | 29.50 | 2.27 |
| Hebron | 12.35 | **14.04** | 14.00 | **4.33** | 4.00 | **7.48** | 9.00 | 5.32 | 56.48 |
| Hebron | 10.48 | **14.93** | 14.00 | **4.98** | 4.00 | **9.20** | 9.00 | 5.80 | 54.61 |
| Hebron | 12.20 | **15.53** | 15.00 | **4.73** | 4.00 | **5.33** | 5.00 | 3.70 | 58.51 |
| Hebron | 12.95 | **15.45** | 15.00 | **4.18** | 4.00 | **4.83** | 5.00 | 3.79 | 58.80 |
| White Hall | 11.70 | **16.15** | 14.00 | **3.68** | 3.50 | **7.05** | 10.00 | 4.10 | 57.32 |
| White Hall | 12.03 | **12.81** | 15.00 | **2.00** | 4.00 | **1.30** | 6.00 | 1.10 | 70.76 |
| Woodsboro | 10.15 | **15.32** | 11.50 | **5.20** | 4.00 | **2.58** | 3.75 | 5.20 | 61.55 |
| Woodsboro | 13.00 | **11.06** | 10.00 | **4.08** | 3.00 | **2.03** | 3.00 | 1.30 | 68.53 |
| Woodsboro | 11.78 | **17.72** | 18.00 | **5.50** | 5.50 | **4.53** | 5.00 | 7.40 | 53.07 |
| Rockville | 13.50 | **14.48** | 16.15 | **4.25** | 5.00 | **8.28** | 8.95 | 5.52 | 53.97 |
| Rockville | 7.68 | **15.62** | 16.15 | **4.29** | 5.00 | **8.85** | 8.95 | 5.90 | 57.66 |
| Rockville | 13.30 | **14.48** | 14.30 | **3.48** | 3.70 | **4.05** | 3.18 | 3.26 | 61.43 |
| Millington | 13.50 | **14.48** | 13.00 | **4.73** | 3.00 | **7.63** | 9.00 | 5.90 | 53.76 |
| Millington | 13.73 | **15.52** | 14.00 | **4.95** | 4.00 | **4.98** | 5.00 | 4.25 | 56.57 |
| Walkersville | 13.80 | **9.65** | 11.00 | **3.30** | 3.50 | **2.70** | 6.00 | 1.00 | 69.55 |
| Walkersville | 11.00 | **12.90** | 12.00 | **2.53** | 3.00 | **1.53** | 4.00 | 1.40 | 70.64 |
| Chestertown | 10.55 | **24.90** | 25.00 | **4.82** | 5.00 | **9.40** | 10.00 | 5.61 | 44.72 |
| Chestertown | 9.55 | **21.58** | 25.00 | **4.45** | 5.00 | **10.65** | 10.00 | 6.60 | 47.17 |
| Chestertown | 13.10 | **10.53** | 10.00 | **3.88** | 3.00 | **2.28** | 3.00 | 1.70 | 68.51 |
| Silver Springs | 7.98 | **53.62** | 50.00 | **12.60** | 10.00 | **1.75** | 2.00 | 23.90 | .15 |
| Centreville | 8.05 | **48.66** | 50.00 | **11.15** | 10.00 | **1.70** | 2.00 | 28.64 | 1.80 |
| Chestertown | 10.72 | **18.92** | 15.00 | **3.31** | 3.50 | **10.50** | 10.00 | 6.37 | 50.18 |
| Chestertown | 10.25 | **19.07** | 20.00 | **3.79** | 3.00 | **9.30** | 10.00 | 6.00 | 51.59 |
| Chestertown | 13.03 | **10.62** | 10.00 | **4.18** | 3.00 | **1.55** | 3.00 | 1.95 | 68.67 |

1924—Complete Analyses of Feeds Collected—1924—Continued.

| Name of Feed | Name of Manufacturer |
|---|---|
| D. C. Scratch Feed | W. S. Hoge and Bro., Washington, D. C. |
| Milkmaker Dairy Feed | " " " " " " |
| P X Dairy Feed | " " " " " " |
| P X Dairy Feed | " " " " " " |
| HOCO Brand Cotton Seed Feed | Hoke Oil and Fertilizer Co., Raeford, N. C. |
| Standard Wheat Fine Middlings, with Ground Screenings n. ex. m. r. | Hubbard Milling Co., Mankato, Minn. |
| H-AN-S Kleen Laying Maid Mash | Hummer Sazama Co., Milwaukee, Wis. |
| *H-AN-S Kleen Laying Maid Mash | " " " " " |
| Special H-AN-S Kleen Maid Scratch Feed | " " " " " |
| Hygrade Kleen Maid Scratch Feed | " " " " " |
| Bull Brand Cotton Seed Meal | Humphreys-Godwin Co., Inc., Memphis, Tenn |
| Danish Brand Cotton Seed Meal | " " " " " " |
| Danish Brand Cotton Seed Meal | " " " " " " |
| Dixie Brand Cotton Seed Meal | " " " " " " |
| Dixie Brand Cotton Seed Meal | " " " " " " |
| Pure Wheat Bran | Hurlock Milling Co., Hurlock, Maryland |
| Pure Wheat Bran | " " " " " |
| *Wheat Middlings, with Gr'd. Screenings | " " " " " |
| Wheat Middlings, with Gr'd. Screenings | " " " " " |
| Meat Scrap and Bone | Independent Mfg. Co., Philadelphia, Pa. |
| Meat Scrap and Bone | " " " " " |
| Meat Scrap and Bone | " " " " " |
| Meat Scrap and Bone | " " " " " |
| *Pure Wheat Bran | Ingleside Milling Co., Ingleside, Maryland |
| †Pure Wheat Middlings | " " " " " |
| Calf Meal | Int'l. Sugar Feed Co., Minneapolis, Minn. |
| Diamond Dairy Feed | " " " " " " |
| Egg Mash | " " " " " " |
| Special Dairy Feed | " " " " " " |
| Special Dairy Feed | " " " " " " |
| Special Dairy Feed | " " " " " " |
| Atlas Scratch Feed | R. D. Johnson Milling Co., Cumberland, Md. |
| Corn, Oat and Barley Chop | " " " " " " |
| *Corn, Oat and Barley Chop | " " " " " " |
| *Corn, Oat and Barley Chop | " " " " " " |
| Gray Shorts | " " " " " " |
| Gray Shorts | " " " " " " |
| *Wheat Bran and Wheat Screenings | " " " " " " |
| *White Middlings | " " " " " " |
| Pure Wheat Bran | Jopp Milling Co., Hobbs, Maryland |
| *Pure Wheat Middlings | " " " " " |
| Beatsall Milk Grains | Kasco Mills, Inc., Toledo, Ohio |
| *Gluten Feed | Keever Starch Co., Columbus, Ohio |
| Cloverleaf Pure Wheat Bran | King Midas Milling Co., Minneapolis, Minn. |
| Cloverleaf Pure Wheat Bran | King Midas Milling Co., Minneapolis, Minn. |
| Fancy Scratch Feed | Kline Brothers, Benevola, Maryland |

*Star means deficient in Protein or Fat.
†Dagger means deficient in both Protein and Fat.

| Place Collected | Moisture | Protein | | Fat | | Fiber | | Ash | Nitrogen Free Extract |
|---|---|---|---|---|---|---|---|---|---|
| | | FOUND | Guaranteed | FOUND | Guaranteed | FOUND | Guaranteed | | |
| Chestertown | 11.65 | **9.48** | 9.00 | **3.08** | 3.00 | **2.55** | 3.00 | 1.47 | 71.77 |
| Chestertown | 10.65 | **17.68** | 16.50 | **3.54** | 3.50 | **10.20** | 10.00 | 6.49 | 51.44 |
| Riverdale | 8.93 | **19.09** | 20.00 | **7.30** | 5.00 | **9.98** | 10.00 | 6.65 | 48.05 |
| Bladensburg | 8.76 | **19.43** | 20.00 | **7.70** | 5.00 | **8.68** | 10.00 | 6.51 | 48.92 |
| Baltimore | 7.00 | **35.01** | 36.00 | **5.83** | 5.00 | **14.78** | 14.00 | 6.75 | 30.63 |
| Silver Hill | 10.45 | **15.58** | 15.90 | **5.38** | 5.30 | **7.83** | 9.50 | 4.50 | 56.26 |
| Baltimore | 11.70 | **22.91** | 20.00 | **4.10** | 5.00 | **5.75** | 8.00 | 6.55 | 48.99 |
| Baltimore | 12.50 | **21.32** | 20.00 | **4.93** | 5.00 | **4.65** | 8.00 | 5.65 | 50.95 |
| Baltimore | 13.33 | **10.00** | 8.00 | **2.45** | 2.50 | **2.85** | 6.00 | 1.70 | 69.67 |
| Baltimore | 13.20 | **10.79** | 9.00 | **2.25** | 2.50 | **3.08** | 5.00 | 1.70 | 68.95 |
| Chestertown | 5.50 | **42.82** | 43.00 | **6.85** | 5.00 | **8.25** | 10.00 | 6.98 | 29.60 |
| Westminster | 7.03 | **35.80** | 36.00 | **6.33** | 5.00 | **14.05** | 15.00 | 8.00 | 28.79 |
| Westminster | 7.83 | **35.50** | 36.00 | **6.53** | 5.00 | **14.13** | 15.00 | 6.75 | 29.26 |
| Parkton | 8.88 | **40.89** | 41.12 | **6.48** | 5.00 | **9.88** | 10.00 | 6.60 | 27.27 |
| Whitehall | 7.73 | **40.19** | 41.12 | **7.23** | 5.00 | **11.05** | 10.00 | 6.65 | 27.15 |
| Hurlock | 12.23 | **14.22** | 14.50 | **3.90** | 4.00 | **9.70** | 9.00 | 7.30 | 52.65 |
| Hurlock | 11.90 | **13.60** | 14.50 | **4.35** | 4.00 | **8.63** | 9.00 | 5.90 | 55.62 |
| Hurlock | 12.68 | **13.95** | 15.00 | **3.53** | 4.00 | **3.30** | 5.00 | 3.82 | 62.72 |
| Hurlock | 12.98 | **14.92** | 15.00 | **3.98** | 4.00 | **4.48** | 5.00 | 3.95 | 59.69 |
| Preston | 6.53 | **49.41** | 50.00 | **12.03** | 8.00 | **1.75** | 3.00 | 26.32 | 3.96 |
| Denton | 6.35 | **50.63** | 50.00 | **12.73** | 8.00 | **3.03** | 3.00 | 27.20 | .06 |
| Denton | 5.80 | **55.64** | 55.00 | **12.08** | 8.00 | **2.73** | 3.00 | 23.60 | .15 |
| Denton | 7.53 | **54.06** | 55.00 | **11.80** | 8.00 | **2.00** | 3.00 | 22.89 | 1.72 |
| Ingleside | 13.40 | **12.72** | 14.00 | **3.55** | 3.00 | **6.58** | 8.00 | 4.65 | 59.10 |
| Ingleside | 13.68 | **11.63** | 14.50 | **2.43** | 3.50 | **1.40** | 4.50 | 1.36 | 69.50 |
| Frederick | 9.95 | **26.68** | 25.00 | **5.83** | 5.00 | **6.70** | 10.00 | 6.65 | 44.19 |
| Frederick | 11.50 | **24.75** | 24.00 | **5.38** | 5.00 | **10.00** | 10.00 | 7.10 | 41.27 |
| Frederick | 10.98 | **21.32** | 20.00 | **5.95** | 5.00 | **7.93** | 7.00 | 9.15 | 44.67 |
| Frederick | 12.65 | **15.09** | 15.00 | **5.20** | 4.50 | **11.03** | 12.00 | 7.50 | 48.53 |
| Myersville | 10.50 | **14.55** | 15.00 | **4.39** | 4.50 | **11.70** | 12.00 | 8.51 | 50.35 |
| Gaithersburg | 10.35 | **14.45** | 15.00 | **4.52** | 4.50 | **12.75** | 12.00 | 7.92 | 50.01 |
| Cumberland | 12.75 | **10.71** | 11.50 | **3.73** | 3.46 | **2.63** | 2.48 | 1.00 | 69.18 |
| Cumberland | 9.38 | **9.17** | 9.51 | **3.88** | 4.15 | **1.35** | 10.27 | 4.90 | 61.32 |
| Cumberland | 9.85 | **8.73** | 9.51 | **3.45** | 4.15 | **13.03** | 10.27 | 6.40 | 58.54 |
| Cumberland | 11.88 | **7.86** | 9.51 | **3.83** | 4.15 | **14.03** | 10.27 | 4.00 | 58.40 |
| Cumberland | 12.18 | **18.34** | 16.39 | **5.85** | 4.73 | **6.35** | 3.18 | 4.95 | 52.33 |
| Cumberland | 10.45 | **17.72** | 16.39 | **6.05** | 4.73 | **7.10** | 3.18 | 4.65 | 53.38 |
| Cumberland | 12.03 | **15.09** | 15.08 | **4.48** | 5.22 | **8.85** | 8.70 | 6.30 | 53.25 |
| Cumberland | 11.90 | **14.96** | 15.02 | **3.38** | 4.19 | **2.43** | 8.17 | 2.40 | 64.93 |
| Hobbs | 11.98 | **13.43** | 14.00 | **3.83** | 3.50 | **6.60** | 10.00 | 4.19 | 59.97 |
| Hobbs | 13.10 | **13.16** | 14.00 | **2.70** | 4.00 | **2.13** | 5.00 | 2.05 | 66.86 |
| Mt. Airy | 9.15 | **22.82** | 22.00 | **5.15** | 4.50 | **9.95** | 10.00 | 6.00 | 46.93 |
| Westminster | 8.23 | **17.38** | 20.00 | **3.03** | 3.00 | **7.43** | 8.00 | 2.30 | 61.63 |
| Baltimore | 9.18 | **15.62** | 14.50 | **4.93** | 3.50 | **10.33** | 12.00 | 6.20 | 53.74 |
| Port Deposit | 10.03 | **15.01** | 14.50 | **4.13** | 3.50 | **10.10** | 12.00 | 6.15 | 55.58 |
| Benevola | 10.45 | **10.44** | 10.00 | **3.20** | 2.50 | **2.75** | 5.00 | 1.35 | 71.81 |

1924—Complete Analyses of Feeds Collected—1924—Continued.

| Name of Feed | Name of Manufacturer |
|---|---|
| Pure Wheat Bran | Kline Brothers, Benevola, Maryland |
| Pure Wheat Middlings | " " " " |
| Buttermilk Growing Mash | Chas. F. Knock, Frederick, Maryland |
| Buttermilk Laying Mash | " " " " |
| Buttermilk Laying Mash | " " " " |
| Chick Feed | " " " " |
| Scratch Feed | " " " " |
| Scratch Feed | " " " " |
| Amerikorn Dairy Ration | Chas. A. Krause Mlg. Co., Milwaukee, Wis. |
| *Badger Horse and Mule Feed | " " " " " " " |
| Badger Sweet Dairy | " " " " " " " |
| *Badger Sweet Dairy | " " " " " " " |
| Bingo Scratch Feed No Grit | " " " " " " " |
| Blue Top Dairy | " " " " " " " |
| Blue Top Egg Mash | " " " " " " " |
| Blue Top Horse Feed | " " " " " " " |
| Blue Top Scratch Feed No Grit | " " " " " " " |
| Cream City Scratch Feed No Grit | " " " " " " " |
| Kookoo Chick Feed, No Grit | " " " " " " " |
| Kookoo Chick Starter Mash | " " " " " " " |
| Kookoo Egg Mash | " " " " " " " |
| Kookoo Growing Mash | " " " " " " " |
| Kookoo Horse Feed | " " " " " " " |
| *K. O. Horse Feed | " " " " " " " |
| Kookoo Scratch Grains, No Grit | " " " " " " " |
| Sugared Badger Stock Feed | " " " " " " " |
| Sweet Cud Dairy Ration | " " " " " " " |
| Sweet Cud Dairy Ration | " " " " " " " |
| Erie Horse Feed | Lake Erie Milling Co., Toledo, Ohio |
| Erie Horse Feed | " " " " " " |
| Erie Laying Mash | " " " " " " |
| Mollett's Flaked Oats and Corn Chop | " " " " " " |
| Mollett's Flaked Oats and Corn Chop | " " " " " " |
| Toledo Horse Feed | " " " " " " |
| Toledo Horse Feed | " " " " " " |
| Toledo Scratch Feed | " " " " " " |
| Zambo Dairy Feed | " " " " " " |
| Zambo Horse Feed | " " " " " " |
| Dried Beet Pulp | Larrowe Milling Co., Detroit, Michigan |
| Larro | " " " " " |
| Larro | " " " " " |
| Larro | " " " " " |
| Larro | " " " " " |
| Larrowe Hog Feed | " " " " " |
| Winter Wheat Bran | Liberty Milling Co., Germantown, Md. |
| Winter Wheat Middlings, Mill Run Scrngs. | " " " " " |

*Star means deficient in Protein or Fat.

| Place Collected | Moisture | Protein | | Fat | | Fiber | | Ash | Nitrogen Free Extract |
|---|---|---|---|---|---|---|---|---|---|
| | | FOUND | Guaranteed | FOUND | Guaranteed | FOUND | Guaranteed | | |
| Boonsboro | 12.30 | **14.30** | 14.00 | **5.83** | 4.00 | **9.95** | 9.00 | 5.85 | 51.77 |
| Benevola | 9.49 | **16.53** | 15.00 | **4.00** | 4.00 | **4.72** | 5.00 | 3.05 | 62.21 |
| Frederick | 11.80 | **15.36** | 15.00 | **7.15** | 4.00 | **4.78** | 10.00 | 5.30 | 55.71 |
| Frederick | 12.05 | **17.51** | 15.00 | **5.08** | 3.00 | **5.43** | 10.00 | 6.70 | 53.23 |
| Frederick | 10.43 | **19.27** | 15.00 | **6.20** | 3.00 | **6.23** | 10.00 | 6.90 | 50.97 |
| Frederick | 13.73 | **9.92** | 8.00 | **2.83** | 3.00 | **2.65** | 5.00 | 1.50 | 69.37 |
| Frederick | 15.03 | **9.30** | 8.00 | **4.00** | 3.00 | **2.70** | 5.00 | 1.45 | 67.52 |
| Frederick, Wis. | 12.65 | **10.09** | 8.00 | **2.68** | 3.00 | **2.70** | 5.00 | 1.40 | 70.48 |
| Hagerstown " | 9.83 | **23.87** | 24.00 | **5.35** | 5.00 | **11.10** | 10.00 | 4.90 | 44.95 |
| Baltimore " | 13.38 | **8.16** | 10.00 | **2.35** | 1.00 | **10.92** | 10.00 | 3.22 | 61.97 |
| Mt. Airy " | 8.50 | **15.76** | 16.50 | **5.64** | 3.50 | **14.98** | 12.00 | 8.14 | 46.98 |
| Hagerstown " | 10.43 | **15.33** | 16.50 | **4.66** | 3.50 | **12.45** | 12.00 | 7.51 | 49.62 |
| Baltimore " | 11.50 | **10.71** | 10.00 | **2.48** | 1.50 | **4.10** | 5.00 | 1.68 | 69.53 |
| Hagerstown " | 9.37 | **15.19** | 15.00 | **4.76** | 3.50 | **12.60** | 14.00 | 7.34 | 50.74 |
| Easton " | 11.85 | **20.53** | 20.00 | **4.68** | 5.00 | **7.65** | 7.00 | 4.70 | 50.59 |
| Baltimore " | 11.45 | **10.88** | 10.00 | **3.14** | 1.00 | **10.43** | 16.00 | 4.30 | 59.80 |
| Baltimore " | 13.60 | **10.18** | 10.00 | **2.50** | 1.50 | **2.70** | 5.00 | 1.66 | 69.36 |
| Baltimore " | 14.18 | **10.35** | 10.00 | **2.28** | 1.50 | **2.35** | 5.00 | 1.40 | 69.44 |
| Baltimore " | 11.95 | **11.85** | 10.00 | **3.10** | 1.50 | **2.42** | 5.00 | 1.80 | 68.88 |
| Baltimore " | 10.10 | **16.81** | 14.00 | **5.85** | 4.50 | **5.25** | 3.00 | 7.35 | 54.64 |
| Baltimore " | 10.08 | **21.94** | 20.00 | **5.43** | 5.25 | **7.20** | 6.00 | 6.75 | 48.60 |
| Baltimore " | 9.63 | **18.95** | 17.00 | **5.78** | 5.25 | **6.20** | 6.50 | 9.90 | 49.54 |
| Baltimore " | 13.22 | **8.49** | 8.00 | **2.20** | 2.00 | **10.62** | 10.00 | 5.55 | 59.92 |
| Baltimore " | 13.30 | **8.05** | 10.00 | **1.78** | 2.00 | **10.85** | 10.00 | 4.05 | 61.97 |
| Ridgely " | 13.58 | **10.71** | 10.00 | **3.05** | 1.50 | **2.85** | 5.00 | 1.40 | 68.41 |
| Greensboro " | 11.15 | **9.83** | 10.00 | **2.98** | 3.00 | **12.42** | 12.00 | 4.65 | 58.97 |
| Hagerstown " | 8.72 | **19.59** | 20.00 | **5.36** | 4.50 | **11.00** | 12.00 | 6.44 | 48.89 |
| Easton " | 7.30 | **20.73** | 20.00 | **5.37** | 4.50 | **12.88** | 12.00 | 7.22 | 46.50 |
| Baltimore " | 13.82 | **8.44** | 7.00 | **2.21** | 2.00 | **9.80** | 10.00 | 8.45 | 57.28 |
| Baltimore " | 16.55 | **9.27** | 7.00 | **3.10** | 2.00 | **10.02** | 10.00 | 6.35 | 54.71 |
| Baltimore " | 10.88 | **20.71** | 18.00 | **4.08** | 4.50 | **8.13** | 6.50 | 5.55 | 50.65 |
| Baltimore " | 11.00 | **10.00** | 10.00 | **4.38** | 4.00 | **2.65** | 9.00 | 2.00 | 69.97 |
| Baltimore " | 12.27 | **10.53** | 10.00 | **4.28** | 4.00 | **7.00** | 9.00 | 2.65 | 63.27 |
| Baltimore " | 13.02 | **9.96** | 7.50 | **2.86** | 2.00 | **11.21** | 10.00 | 5.30 | 57.65 |
| Baltimore " | 11.84 | **10.03** | 7.50 | **3.67** | 2.00 | **12.85** | 10.00 | 5.18 | 56.43 |
| Baltimore " | 13.28 | **10.18** | 10.00 | **2.95** | 3.00 | **1.90** | 6.00 | 1.40 | 70.29 |
| Baltimore " | 8.75 | **24.83** | 24.00 | **4.95** | 4.00 | **8.78** | 10.00 | 5.70 | 46.99 |
| Baltimore " | 11.70 | **8.53** | 6.50 | **2.98** | 1.50 | **10.18** | 12.00 | 5.10 | 61.51 |
| Silver Springs | 10.53 | **9.92** | 8.00 | **1.55** | .50 | **20.18** | 20.00 | 3.30 | 54.52 |
| Silver Springs | 10.00 | **21.15** | 20.00 | **4.28** | 4.00 | **11.65** | 12.00 | 5.90 | 47.02 |
| Thurmont | 10.20 | **21.94** | 20.00 | **4.25** | 4.00 | **11.60** | 12.00 | 5.95 | 46.06 |
| Walkersville | 10.30 | **21.67** | 20.00 | **4.15** | 4.00 | **12.15** | 12.00 | 5.60 | 46.13 |
| Hyattsville | 10.70 | **21.50** | 20.00 | **4.05** | 4.00 | **11.55** | 12.00 | 5.85 | 46.35 |
| Silver Springs | 10.95 | **19.31** | 18.00 | **6.48** | 5.00 | **7.65** | 10.00 | 4.75 | 50.86 |
| Germantown | 8.50 | **15.71** | 14.00 | **4.15** | 4.00 | **9.44** | 10.50 | 6.35 | 55.85 |
| Germantown | 11.45 | **16.06** | 15.00 | **3.95** | 4.00 | **5.00** | 6.00 | 3.67 | 59.87 |

1924—Complete Analyses of Feeds Collected—1924—Continued.

| Name of Feed | Name of Manufacturer |
|---|---|
| Pure Wheat Bran | Linchester Mill, Preston, Maryland |
| Pure Wheat Middlings | " " " " |
| Alfacream | J. O. Loch Mills Co., Nebraska City, Neb. |
| Alfacream | " " " " " " " " |
| Le Grande Soft Wheat Middlings | Loudonville Mlg. Co., Loudonville, Ohio |
| Sonny South Pure Wheat Bran | Louisville Milling Co., Louisville, Ky. |
| Lovit Brand Cotton Seed Meal | L. B. Lovitt and Co., Memphis, Tenn. |
| Lovit Brand Cotton Seed Meal | " " " " " " |
| Lovit Brand Cotton Seed Meal | " " " " " " |
| Lovit Brand Cotton Seed Meal | " " " " " " |
| Guilford Chick Feed | Walter F. MacNeal and Co. Balto., Md. |
| Guilford Scratch Feed | " " " " " " " |
| Guilford Scratch Feed | " " " " " " " |
| Jumbo Dairy Feed | McMillen Company, Fort Wayne, Indiana. |
| Universal Egg Mash, with Dried Buttermilk | " " " " " |
| Wayne Chick Feed | " " " " " |
| Wayne Chick Starter, with Dried Buttermilk | " " " " " |
| *Wayne Egg Mash, with Dried Buttermilk | " " " " " |
| Wayne Gro. Mash, with Dried Buttermilk | " " " " " |
| Wayne Pig and Hog Meal | " " " " " |
| Wayne Poultry Developer | " " " " " |
| Wayne Scratch Feed | " " " " " |
| Wayne Special Horse Feed | " " " " " |
| Winter Wheat Bran, n.ex.m.r. of s. | Malko Mlg. and Ltg. Co., Hampstead, Md. |
| Winter Wheat Bran, n. ex. m. r. of s. | " " " " " " " |
| Winter Wheat Middlings, n. ex. m. r. of s. | " " " " " " " |
| Winter Wheat Middlings, n. ex. m. r. of s. | |
| *34% Protein Pure Old Process Linseed Oil Meal | Mann Brothers Company, Buffalo, N. Y. |
| *Pure Old Process Linseed Oil Meal | " " " " " " |
| *Pure Old Process Linseed Oil Meal | " " " " " " |
| Yellow Hominy Feed | Maple Flake Mills, Inc., Buffalo, N. Y. |
| Bonny White Middlings | Maple Leaf Milling Co., Toronto, Canada |
| | P'd. by Traders Feed & Grn. Co., Buffalo, N. Y. |
| Rex Wht. Shts., with Scrngs. n.ex.m.r. | " " " " " " |
| Wheat Bran | " " " " " " |
| Wheat Bran | " " " " " " |
| White Mule Br. Prime Cottonseed Meal | Marianna Sales Co., Memphis, Tennessee |
| Pee Dee Brand Cotton Seed Meal | Marion Cotton Oil Co., Marion, S. C. |
| Pee Dee Brand Cotton Seed Meal | " " " " " " " |
| Bull Br. Chick Starter, with Dr. Buttermilk | Maritime Milling Co., Inc., Buffalo, N. Y. |
| Bull Brand Dairy Ration | " " " " " " " |
| *Bull Brand Dairy Ration | " " " " " " " |
| †Bull Brand Dairy Ration | " " " " " " " |
| †Bull Brand Dairy Ration | " " " " " " " |
| Bull Brand Dairy Ration | " " " " " " " |
| *Bull Brand Developing Feed | " " " " " " " |

*Star means deficient in Protein or Fat.
†Dagger means deficient in both Protein and Fat.

| Place Collected | Moisture | Protein | | Fat | | Fiber | | Ash | Nitrogen Free Extract |
|---|---|---|---|---|---|---|---|---|---|
| | | FOUND | Guaranteed | FOUND | Guaranteed | FOUND | Guaranteed | | |
| Preston | 12.20 | **13.03** | 13.00 | **3.40** | 3.00 | **5.55** | 10.00 | 3.86 | 61.96 |
| Preston | 12.80 | **14.39** | 13.00 | **3.98** | 3.50 | **2.95** | 5.00 | 2.18 | 63.70 |
| Baltimore | 18.20 | **10.94** | 10.00 | **.62** | .50 | **16.60** | 25.00 | 9.85 | 43.79 |
| Baltimore | 21.80 | **9.98** | 10.00 | **.59** | .50 | **14.30** | 25.00 | 12.15 | 41.18 |
| Baltimore | 12.63 | **15.45** | 15.00 | **3.85** | 4.00 | **4.48** | 7.00 | 3.15 | 60.44 |
| Laurel | 11.90 | **15.97** | 14.50 | **3.65** | 4.00 | **10.11** | 8.75 | 7.65 | 50.72 |
| Adamstown | 8.90 | **41.68** | 41.00 | **6.78** | 6.00 | **10.00** | 10.00 | 5.80 | 26.84 |
| Frederick | 8.25 | **43.00** | 43.00 | **7.63** | 6.00 | **9.60** | 10.00 | 6.10 | 25.42 |
| Walkersville | 8.20 | **44.14** | 43.00 | **6.80** | 6.00 | **9.00** | 10.00 | 6.05 | 25.81 |
| Hagerstown | 6.45 | **38.41** | 36.00 | **6.45** | 5.00 | **11.47** | 14.00 | 5.70 | 31.52 |
| Baltimore | 13.05 | **11.41** | 10.00 | **3.33** | 3.00 | **2.45** | 4.00 | 1.84 | 67.92 |
| Baltimore | 11.20 | **10.09** | 10.00 | **2.68** | 3.00 | **3.45** | 4.00 | 1.60 | 70.98 |
| Baltimore | 13.50 | **10.35** | 10.00 | **2.68** | 3.00 | **3.50** | 4.00 | 1.77 | 68.20 |
| Westminster | 12.13 | **16.85** | 16.00 | **4.93** | 3.50 | **11.05** | 12.00 | 8.85 | 46.19 |
| Westminster | 10.58 | **18.87** | 18.00 | **4.38** | 3.50 | **7.78** | 8.00 | 7.10 | 51.29 |
| Mt. Lake Park | 13.50 | **9.83** | 9.00 | **2.68** | 2.50 | **2.23** | 5.00 | 1.30 | 70.46 |
| Westminster | 13.20 | **14.22** | 13.00 | **3.35** | 3.50 | **5.10** | 6.00 | 3.00 | 61.13 |
| Westminster | 12.73 | **18.43** | 20.00 | **4.25** | 3.70 | **6.75** | 8.00 | 5.40 | 52.44 |
| Westminster | 13.63 | **16.85** | 17.00 | **3.53** | 4.00 | **4.80** | 6.00 | 4.75 | 56.44 |
| Westminster | 12.95 | **17.75** | 18.00 | **4.98** | 3.50 | **6.63** | 8.00 | 5.30 | 52.39 |
| Westminster | 14.30 | **10.71** | 10.00 | **2.35** | 2.50 | **2.68** | 5.00 | 1.40 | 68.56 |
| Westminster | 14.28 | **10.62** | 10.00 | **2.88** | 3.00 | **2.93** | 4.60 | 1.45 | 67.84 |
| Westminster | 11.68 | **9.97** | 9.00 | **4.32** | 3.00 | **8.95** | 10.00 | 3.55 | 61.53 |
| Reisterstown | 10.35 | **15.45** | 14.00 | **4.00** | 4.00 | **9.50** | 10.50 | 7.40 | 53.30 |
| Hampstead | 10.70 | **15.27** | 14.00 | **3.65** | 4.00 | **8.52** | 10.50 | 6.10 | 55.76 |
| Hampstead | 11.65 | **15.80** | 15.00 | **4.45** | 4.00 | **4.62** | 6.00 | 3.95 | 59.53 |
| Reisterstown | 11.30 | **17.81** | 15.00 | **5.53** | 4.00 | **5.83** | 6.00 | 4.70 | 54.83 |
| Baltimore | 10.35 | **32.97** | 34.00 | **7.23** | 6.00 | **8.83** | 10.00 | 5.10 | 35.52 |
| Hagerstown | 10.05 | **33.25** | 35.00 | **6.73** | 6.00 | **8.83** | 10.00 | 4.96 | 36.18 |
| Baltimore | 9.53 | **33.44** | 35.00 | **6.85** | 6.00 | **9.03** | 10.00 | 5.10 | 36.05 |
| Baltimore | 10.30 | **10.18** | 9.50 | **5.58** | 5.00 | **5.00** | 5.00 | 2.70 | 66.24 |
| Parkton | 11.73 | **15.80** | 15.00 | **3.57** | 4.00 | **3.00** | 6.00 | 2.20 | 63.70 |
| Baltimore | 10.65 | **16.50** | 16.00 | **5.80** | 5.00 | **8.85** | 9.50 | 4.35 | 53.85 |
| Westminster | 10.00 | **15.62** | 15.00 | **5.98** | 4.00 | **10.05** | 11.50 | 5.90 | 52.45 |
| Goldsboro | 10.45 | **16.02** | 15.00 | **5.83** | 4.00 | **10.10** | 11.50 | 5.85 | 51.75 |
| Cambridge | 7.58 | **42.34** | 43.00 | **7.73** | 6.00 | **10.45** | 10.00 | 7.10 | 24.80 |
| Germantown | 6.23 | **43.00** | 41.00 | **7.20** | 6.00 | **10.10** | 10.00 | 7.00 | 26.47 |
| Parkton | 6.85 | **41.33** | 41.00 | **6.73** | 6.00 | **9.30** | 10.00 | 6.60 | 29.19 |
| Baltimore | 11.55 | **16.67** | 12.00 | **5.13** | 4.00 | **4.10** | 4.00 | 8.10 | 54.45 |
| Baltimore | 10.14 | **23.34** | 24.00 | **5.51** | 6.00 | **10.09** | 12.00 | 6.20 | 44.72 |
| Baltimore | 9.20 | **23.84** | 24.00 | **5.43** | 6.00 | **11.98** | 12.00 | 6.20 | 43.35 |
| Baltimore | 10.55 | **21.59** | 24.00 | **5.03** | 6.00 | **9.85** | 12.00 | 5.44 | 47.54 |
| Baltimore | 11.52 | **21.63** | 24.00 | **5.26** | 6.00 | **9.77** | 12.00 | 5.62 | 46.20 |
| Cambridge | 10.25 | **24.57** | 24.00 | **6.30** | 6.00 | **10.33** | 12.00 | 7.25 | 41.30 |
| Baltimore | 13.40 | **10.97** | 10.00 | **2.25** | 3.00 | **2.65** | 5.00 | 1.40 | 69.33 |

1924—Complete Analyses of Feeds Collected—1924—Continued.

| Name of Feed | Name of Manufacturer |
|---|---|
| Bull Br. Gro'ng. Mash, with Dr. Buttermilk | Maritime Milling Co., Inc., Buffalo, N. Y. |
| Bull Br. Lay'ng. Mash, with Dr. Buttermilk | " " " " " " " |
| Bull Br. Lay'ng. Mash, with Dr. Buttermilk | " " " " " " " |
| Bull Brand Scratch Feed | " " " " " " " |
| Bull Brand Scratch Feed | " " " " " " " |
| Daisy Scratch Feed | " " " " " " " |
| *Red-E-Mixt. Creamery Feed | " " " " " " " |
| *Red-E-Mixt. Creamery Feed | " " " " " " " |
| Bran | Matthews-Howard Co., Inc., La Plata, Md. |
| Brown Middlings | " " " " " " |
| †More Cream Dairy Feed | " " " " " " |
| †More Cream Dairy Feed | " " " " " " |
| White Middlings | " " " " " " |
| Fancy Brand Winter Wheat Feed-Harter | Mennel Milling Co., Toledo, Ohio |
| Middlings—Winter Wheat Feed, with Ground Screenings, n. ex. m. r. Harter | " " " " " |
| Pure Wheat Bran | T. H. Merrick, Hurlock, Maryland |
| Buttermilk Laying Mash | Henry Mesner and Son, Baltimore, Md. |
| Special Scratch Feed | " " " " " " |
| Dairy Feed | Leo Michael, Buckeystown, Maryland |
| Dairy Feed | " " " " |
| Hog Feed | " " " " |
| Horse Feed | " " " " |
| Horse Feed | " " " " |
| Pure Winter Wheat Bran | " " " " |
| Pure Winter Wheat Middlings | " " " " |
| Scratch Feed | " " " " |
| Scratch Feed | " " " " |
| Albert Angell Jr's. Egg Mash | Miller McConnell Grn. Co., Kansas City, Kan. |
| Albert Angell Jr's. Scratch Grains | " " " " " " " |
| Dynamite Horse and Mule Feed | " " " " " " " |
| Rich Grain Scratch Feed | " " " " " " " |
| *Mureco 55% Protein Meat and Bone for Poul | Mutual Rendering Co., Inc., Phila., Pa. |
| *Mureco 50% Protein Meat and Bone for Poul | " " " " " " |
| *Alfalfa Meal | Nat'l. Hay and Mlg. Co., Kansas City, Mo. |
| Flour Middlings | National Milling Company, Toledo, Ohio |
| Osota Feed | " " " " " " |
| Triangle Brand 41% Cotton Seed Meal | R. N. Neal and Co., Inc., Memphis, Tenn. |
| Triangle Brand 36% Cotton Seed Meal | " " " " " " " |
| Triangle Brand 36% Cotton Seed Meal | " " " " " " " |
| Palmo Midds | Newsome Feed & Grain Co., Pittsburgh, Pa. |
| Dairyman's Best 20% Dairy Ration | L. W. Newton, Milwaukee, Wis. |
| Dairyman's Best 20% Dairy Ration | " " " " |
| Dairyman's Best 24% Dairy Ration | " " " " |
| Dairyman's Best 24% Dairy Ration | " " " " |
| Compass Pure Wheat Bran | New Ulm Roller Mill Co., New Ulm, Minn. |

*Star means deficient in Protein or Fat.
†Dagger means deficient in both Protein and Fat.

| Place Collected | Moisture | Protein | | Fat | | Fiber | | Ash | Nitrogen Free Extract |
|---|---|---|---|---|---|---|---|---|---|
| | | FOUND | Guaranteed | FOUND | Guaranteed | FOUND | Guaranteed | | |
| Baltimore | 12.30 | **19.39** | 18.00 | **6.20** | 5.00 | **6.08** | 7.00 | 6.80 | 49.23 |
| Baltimore | 10.80 | **20.18** | 20.00 | **5.63** | 5.00 | **7.43** | 8.00 | 8.10 | 47.86 |
| Baltimore | 11.18 | **20.53** | 20.00 | **5.78** | 5.00 | **7.48** | 8.00 | 8.76 | 46.27 |
| Baltimore | 13.08 | **11.14** | 11.00 | **3.33** | 3.00 | **2.83** | 4.00 | 1.51 | 68.01 |
| Baltimore | 12.23 | **10.97** | 11.00 | **3.40** | 3.00 | **3.18** | 4.00 | 1.60 | 68.62 |
| Baltimore | 12.73 | **10.71** | 9.00 | **2.73** | 3.00 | **3.78** | 5.00 | 1.65 | 68.40 |
| Baltimore | 10.50 | **18.21** | 20.00 | **4.63** | 5.00 | **12.03** | 10.00 | 5.65 | 48.98 |
| Baltimore | 11.97 | **18.83** | 20.00 | **5.26** | 5.00 | **10.30** | 10.00 | 5.52 | 48.12 |
| La Plata | 12.38 | **13.95** | ------ | **3.30** | ------ | **7.08** | ------ | 4.50 | 58.79 |
| La Plata | 12.28 | **16.41** | ------ | **5.35** | ------ | **4.38** | ------ | 3.50 | 58.08 |
| La Plata | 11.60 | **14.61** | 16.84 | **3.95** | 5.63 | **8.30** | 9.33 | 3.08 | 58.64 |
| La Plata | 10.95 | **15.63** | 16.84 | **5.10** | 5.63 | **8.50** | 9.33 | 3.65 | 56.17 |
| La Plata | 13.03 | **12.46** | ------ | **2.15** | ------ | **1.50** | ------ | 1.30 | 69.56 |
| Westminster | 10.75 | **14.92** | 15.00 | **4.90** | 4.00 | **10.18** | 9.50 | 7.20 | 52.05 |
| Walkersville | 11.75 | **16.41** | 15.00 | **4.53** | 4.00 | **7.38** | 6.50 | 4.10 | 55.83 |
| Hurlock | 11.75 | **14.22** | 14.00 | **4.70** | 3.50 | **9.38** | 10.00 | 6.07 | 53.88 |
| Baltimore | 11.10 | **19.31** | 17.00 | **5.13** | 4.00 | **8.05** | 10.00 | 7.75 | 48.66 |
| Baltimore | 13.93 | **10.35** | 10.00 | **2.98** | 2.50 | **3.08** | 5.00 | 2.00 | 67.66 |
| Buckeystown | 11.55 | **19.84** | 13.00 | **4.95** | 3.50 | **8.43** | 7.00 | 4.90 | 50.33 |
| Buckeystown | 10.68 | **19.70** | 13.00 | **5.03** | 3.50 | **10.93** | 7.00 | 5.85 | 47.81 |
| Buckeystown | 13.00 | **17.68** | 11.00 | **4.25** | 4.00 | **5.20** | 7.00 | 5.00 | 54.87 |
| Buckeystown | 10.95 | **11.28** | 10.00 | **4.45** | 3.50 | **5.53** | 7.00 | 3.00 | 64.79 |
| Buckeystown | 12.73 | **11.41** | 10.00 | **4.93** | 3.50 | **5.65** | 7.00 | 3.20 | 62.08 |
| Buckeystown | 10.43 | **15.71** | 15.00 | **3.58** | 4.00 | **8.48** | 9.00 | 5.50 | 56.30 |
| Buckeystown | 11.00 | **16.23** | 15.00 | **4.80** | 4.00 | **4.78** | 5.00 | 3.75 | 59.44 |
| Buckeystown | 12.58 | **10.09** | 9.50 | **3.95** | 2.50 | **2.80** | 5.00 | 1.40 | 69.18 |
| Buckeystown | 14.05 | **10.53** | 9.50 | **3.98** | 2.50 | **3.93** | 5.00 | 1.75 | 65.76 |
| Baltimore | 9.75 | **21.06** | 20.00 | **5.58** | 4.00 | **6.65** | 8.00 | 9.65 | 47.31 |
| Baltimore | 11.80 | **10.18** | 10.00 | **3.05** | 2.75 | **2.40** | 3.00 | 1.30 | 71.27 |
| Baltimore | 10.20 | **10.56** | 9.00 | **2.08** | 1.00 | **10.78** | 15.00 | 5.40 | 60.98 |
| Baltimore | 10.75 | **10.71** | 10.00 | **2.85** | 2.50 | **2.13** | 4.50 | 1.55 | 72.01 |
| Frederick | 5.83 | **49.76** | 55.00 | **14.20** | 10.00 | **1.70** | 2.00 | 26.50 | 2.01 |
| Chestertown | 8.12 | **46.03** | 50.00 | **13.98** | 10.00 | **2.00** | 2.00 | 28.32 | 1.55 |
| Laurel | 8.43 | **10.18** | 12.00 | **1.25** | 1.50 | **36.35** | 35.00 | 7.45 | 36.34 |
| Westminster | 12.05 | **17.29** | 17.00 | **4.23** | 3.50 | **5.80** | 9.00 | 3.90 | 56.73 |
| Westminster | 13.83 | **15.97** | 15.00 | **5.18** | 4.50 | **8.50** | 10.00 | 5.90 | 50.62 |
| Hagerstown | 7.00 | **41.33** | 41.00 | **7.85** | 6.00 | **11.23** | 10.00 | 6.10 | 26.49 |
| Frederick | 9.10 | **37.21** | 36.00 | **6.10** | 5.00 | **11.93** | 14.00 | 5.65 | 30.01 |
| Hagerstown | 6.10 | **36.42** | 36.00 | **6.30** | 5.00 | **13.08** | 14.00 | 6.64 | 31.46 |
| Cambridge | 6.08 | **16.94** | 16.00 | **8.03** | 7.00 | **6.85** | 9.00 | 5.15 | 56.95 |
| Baltimore | 10.70 | **19.31** | 20.00 | **4.73** | 5.00 | **8.03** | 9.00 | 6.05 | 51.18 |
| Baltimore | 9.25 | **20.18** | 20.00 | **4.62** | 5.00 | **7.88** | 9.00 | 5.45 | 52.62 |
| Baltimore | 8.95 | **23.96** | 24.00 | **4.98** | 5.00 | **8.28** | 9.00 | 6.70 | 47.13 |
| Baltimore | 10.10 | **23.39** | 24.00 | **5.20** | 5.00 | **8.25** | 9.00 | 6.30 | 46.76 |
| Westminster | 11.18 | **15.71** | 15.00 | **5.03** | 5.00 | **9.65** | 10.50 | 5.20 | 53.23 |

**1924—Complete Analyses of Feeds Collected—1924—Continued.**

| Name of Feed | Name of Manufacturer |
|---|---|
| Niagara Choice Wheat Bran | Niagara Falls Mlg. Co., Buffalo, N. Y. |
| Notalco AA High Grade Meat Scraps | Norfolk Tallow Company, Norfolk, Va. |
| Bone and Meat Scrap | Norton and Company, Washington, D. C. |
| Bone and Meat Scrap | " " " " " |
| Bone and Meat Scrap | " " " " " |
| *Bee Brand Cotton Seed Meal | W. C. Northern, Memphis, Tennessee |
| *Bee Brand Cotton Seed Meal | " " " " |
| Bee Brand Cotton Seed Meal | " " " " |
| *Bee Brand Cotton Seed Meal | " " " " |
| Domino Butterine Dairy Feed | Nowak Milling Corporation, Hammond, Ind. |
| *Domino Developing Feed | " " " " " |
| Domino Vim-O-Lene Horse Feed | " " " " " |
| Fidelity Scratch Feed | " " " " " |
| Marathon Chick Feed | " " " " " |
| Marathon Laying Mash, with Buttermilk | " " " " " |
| Marathon Scratch Feed | " " " " " |
| Standard Corn Feed Meal | " " " " " |
| XXX Comet | Northwestern Consolidated Milling Co., Minneapolis, Minn. |
| *Taylor's Wheat Middlings, with Ground Scr. n. ex. m. r. | Northwestern Elevator and Milling Co., Mt. Vernon, Ohio |
| Ideal Growing Mash | Nuttle Milling Company, Denton, Maryland. |
| *Ideal Growing Mash | " " " " " |
| Ideal Laying Mash | " " " " " |
| Ideal Laying Mash | " " " " " |
| Ideal Scratch Feed | " " " " " |
| Ideal Scratch Feed | " " " " " |
| Pure Wheat Bran | " " " " " |
| Pure Wheat Bran | " " " " " |
| †Pure Wheat Middlings | " " " " " |
| Pure Wheat Middlings | " " " " " |
| Chick Feed | P. F. Obrecht and Son, Baltimore, Maryland |
| Chick Feed | " " " " " " |
| *Dairy Ration | " " " " " " |
| *Dairy Ration | " " " " " " |
| Growing Mash | " " " " " " |
| Molasses Horse Feed | " " " " " " |
| Poultry Mash | " " " " " " |
| Poultry Mash | " " " " " " |
| Rich Scratch Feed | " " " " " " |
| Rich Scratch Feed | " " " " " " |
| Scratch—P. F. O. | " " " " " " |
| Oat Feed | Ogilvie Flour Mills Co., Montreal, Canada |
| Alfalfa Meal | Otto Weiss Milling Company, Wichita, Kan. |
| Alfalfa Meal | " " " " " " |
| Alfalfa Meal | " " " " " " |
| Bonnie Booster | Park and Pollard Company, Buffalo, N. Y. |
| Go To It Hog Ration | " " " " " " " |

*Star means deficient in Protein or Fat.
†Dagger means deficient in both Protein and Fat.

| Place Collected | Moisture | Protein | | Fat | | Fiber | | Ash | Nitrogen Free Extract |
|---|---|---|---|---|---|---|---|---|---|
| | | FOUND | Guaranteed | FOUND | Guaranteed | FOUND | Guaranteed | | |
| Westminster | 9.75 | 16.85 | 15.00 | 5.68 | 3.50 | 9.60 | 11.00 | 5.90 | 52.22 |
| Silver Springs | 6.40 | 45.98 | 45.00 | 13.50 | 5.00 | 2.57 | 3.00 | 31.00 | .55 |
| Germantown | 6.98 | 49.67 | 50.00 | 10.05 | 10.00 | 2.45 | 2.00 | 19.15 | 11.70 |
| College Park | 7.50 | 50.55 | 50.00 | 13.05 | 10.00 | 1.45 | 2.00 | ------ | ------ |
| Laurel | 7.30 | 50.90 | 50.00 | 12.45 | 10.00 | 1.60 | 2.00 | 27.10 | .65 |
| Mt. Airy | 9.75 | 38.93 | 41.12 | 6.38 | 6.00 | 11.98 | 12.00 | 6.35 | 26.61 |
| Bel Air | 6.93 | 39.96 | 41.12 | 6.69 | 6.00 | 11.90 | 12.00 | 6.05 | 28.47 |
| Mt. Airy | 6.23 | 41.07 | 41.12 | 7.13 | 6.00 | 11.43 | 12.00 | 6.45 | 27.69 |
| Mt. Airy | 8.85 | 39.10 | 41.12 | 6.28 | 6.00 | 12.50 | 12.00 | 6.35 | 26.92 |
| Elkton | 10.95 | 19.04 | 17.00 | 4.73 | 3.50 | 9.37 | 15.00 | 5.45 | 50.46 |
| Aiken | 13.53 | 10.09 | 10.00 | 2.42 | 5.00 | 2.38 | 3.00 | 2.15 | 69.43 |
| Aiken | 12.90 | 9.32 | 8.00 | 3.27 | 2.00 | 11.25 | 9.00 | 2.82 | 60.44 |
| Elkton | 14.40 | 10.35 | 10.00 | 3.53 | 3.00 | 2.50 | 5.00 | 2.15 | 67.07 |
| Aiken | 14.65 | 10.21 | 11.00 | 2.85 | 2.00 | 1.85 | 5.00 | 1.40 | 69.04 |
| Denton | 12.25 | 20.53 | 20.00 | 4.95 | 4.50 | 7.90 | 9.00 | 6.50 | 47.87 |
| Aiken | 14.53 | 10.62 | 10.00 | 2.63 | 3.00 | 2.75 | 5.00 | 1.50 | 67.97 |
| Aiken | 14.70 | 9.48 | 8.00 | 4.58 | 2.50 | 2.70 | 5.00 | 1.65 | 66.89 |
| Baltimore | 10.98 | 17.99 | 16.00 | 5.30 | 4.00 | 2.45 | 4.00 | 2.80 | 60.48 |
| Union Bridge | 12.90 | 16.76 | 15.00 | 3.93 | 9.00 | 6.95 | 3.00 | 4.25 | 55.21 |
| Denton | 14.60 | 13.73 | 16.00 | 4.75 | 4.50 | 4.55 | 5.00 | 4.00 | 58.37 |
| Denton | 9.63 | 15.23 | 16.00 | 4.68 | 4.50 | 5.63 | 5.00 | 4.20 | 60.63 |
| Denton | 12.80 | 21.41 | 20.00 | 5.43 | 5.00 | 7.10 | 7.00 | 7.90 | 45.36 |
| Denton | 10.88 | 20.97 | 20.00 | 5.90 | 5.00 | 7.93 | 7.00 | 8.60 | 45.72 |
| Denton | 12.20 | 9.92 | 10.00 | 3.45 | 3.00 | 3.75 | 4.50 | 1.85 | 68.83 |
| Denton | 13.80 | 10.09 | 10.00 | 2.98 | 3.00 | 3.25 | 4.50 | 1.70 | 68.18 |
| Denton | 12.08 | 14.39 | 14.00 | 3.48 | 3.50 | 6.88 | 10.00 | 5.35 | 57.82 |
| Denton | 11.60 | 14.22 | 14.00 | 4.08 | 3.50 | 5.88 | 10.00 | 5.50 | 58.72 |
| Denton | 11.98 | 12.94 | 14.00 | 2.90 | 4.00 | 2.30 | 5.00 | 3.22 | 66.66 |
| Baltimore | 11.58 | 14.22 | 14.00 | 3.55 | 4.00 | 3.90 | 5.00 | 3.40 | 63.35 |
| Baltimore | 13.43 | 10.18 | 9.00 | 2.10 | 2.00 | 3.05 | 6.00 | 2.04 | 69.20 |
| Baltimore | 13.63 | 10.53 | 9.00 | 2.80 | 2.00 | 4.40 | 6.00 | 2.15 | 66.49 |
| Baltimore | 10.43 | 23.69 | 24.00 | 3.14 | 4.00 | 9.38 | 12.00 | 5.86 | 47.50 |
| Baltimore | 10.10 | 20.47 | 24.00 | 4.45 | 4.00 | 10.20 | 12.00 | 5.85 | 48 93 |
| Baltimore | 10.65 | 21.94 | 20.00 | 3.85 | 4.00 | 6.48 | 5.00 | 6.17 | 50.91 |
| Baltimore | 11.88 | 10.07 | 9.00 | 2.98 | 1.00 | 8.21 | 15.00 | 5.49 | 61.37 |
| Baltimore | 10.43 | 21.06 | 20.00 | 6.63 | 4.00 | 7.88 | 11.00 | 7.20 | 46.80 |
| Baltimore | 10.58 | 28.31 | 20.00 | 4.60 | 4.00 | 6.18 | 11.00 | 9.62 | 40.71 |
| Baltimore | 14.10 | 10.35 | 9.00 | 2.70 | 2.00 | 3.13 | 6.00 | 1.96 | 67.76 |
| Baltimore | 14.00 | 10.18 | 9.00 | 3.33 | 2.00 | 3.18 | 6.00 | 1.75 | 67.56 |
| Westminster | 12.90 | 10.09 | 10.00 | 3.70 | 3.00 | 2.95 | 4.00 | 1.10 | 69.26 |
| Baltimore | 8.25 | 5.88 | 5.25 | 2.83 | 2.50 | 28.78 | 27.00 | 5.30 | 48.96 |
| Hagerstown | 12.18 | 13.51 | 12.00 | 1.85 | 1.00 | 29.80 | 35.00 | 8.95 | 33.71 |
| Baltimore | 9.21 | 12.29 | 12.00 | .98 | 1.00 | 35.12 | 35.00 | 7.12 | 35.28 |
| Baltimore | 7.55 | 14.04 | 12.00 | 2.33 | 1.00 | 33.83 | 35.00 | 7.93 | 34.32 |
| Reisterstown | 12.83 | 14.44 | 12.00 | 3.58 | 3.00 | 3.38 | 3.00 | 4.65 | 61.12 |
| | 9.38 | 16.67 | 15.00 | 5.60 | 5.00 | 9.40 | 10.00 | 9.80 | 49.15 |

1924—Complete Analyses of Feeds Collected—1924—Continued.

| Name of Feed | Name of Manufacturer |
|---|---|
| Intermediate Chick Feed | Park and Pollard Company, Buffalo, N. Y. |
| Lay or Bust Dry-Mash | " " " " " " " |
| Pretty Special Mixed Feed | " " " " " " " |
| Screened Scratch Feed | " " " " " " " |
| Stevens "44" Sweetened Dairy Ration | " " " " " " " |
| Stock Feed | " " " " " " " |
| Wizard Sugared Stock Feed | Peerless Milling Company, Greensboro, Md. |
| Pure Wheat Bran | " " " " " |
| †Pure Wheat Middlings | Penick and Ford, Cedar Rapids, Iowa |
| Douglas Corn Gluten Meal | " " " " " " |
| Douglas Corn Gluten Feed | Penn Grains and Feed Co., Phila., Pa. |
| "Peerless" Brewers' Dried Grains | " " " " " " " |
| "Peerless" Brewers' Dried Grains | M. C. Peters Mlg. Co., South Omaha, Neb. |
| Arab Horse Feed | " " " " " " " |
| King Corn Horse and Mule Feed | Pillsbury Flour Mills Co., Minn'plis., Minn. |
| 24% Dairy Feed | " " " " " " |
| 20% Dairy Ration | " " " " " " |
| 20% Dairy Ration | " " " " " " |
| Palisade Scratch Feed | " " " " " " |
| Scratch Feed | Maurice Pincoffs Company, Chicago, Ill. |
| Soybean Oil Meal | P'd. by Minnegrode and Co., Baltimore, Md. |
| | " " " " " " |
| Soybean Oil Meal | Pratt Food Company, Philadelphia, Pa. |
| Baby Chick Food, with Buttermilk | " " " " " |
| Circle "A" Scratch Feed | " " " " " |
| Corn Feed Meal | " " " " " |
| Supreme Chick Scratch Feed | " " " " " |
| Supreme Growing Mash, Buttermilk | " " " " " |
| Supreme Laying Mash, with Buttermilk | " " " " " |
| Supreme Pigeon Feed—No Corn | " " " " " |
| Supreme Scratch Feed Large Size | " " " " " |
| Victory Chick Scratch Feed | " " " " " |
| Victory Intermediate Scratch Feed | " " " " " |
| Victory Laying Mash, with Buttermilk | " " " " " |
| Victory Scratch Feed Large Size | " " " " " |
| Big Egg Scratch Grains | Quaker Oats Company, Chicago, Illinois |
| Boss Dairy Ration | " " " " " " |
| Boss Dairy Ration | " " " " " " |
| Buckeye Feed | " " " " " " |
| Dairy Feed | " " " " " " |
| Dairy Feed | " " " " " " |
| Ful-O-Pep Chick Starter | " " " " " " |
| Ful-O-Pep Coarse Chick Feed | " " " " " " |
| Full-O-Pep Dry Mash | " " " " " " |
| Full-O-Pep Egg Mash | " " " " " " |
| Full-O-Pep Fine Chick Feed | " " " " " " |
| Full-O-Pep Growing Mash | " " " " " " |

†Dagger means deficient in both Protein and Fat.

| Place Collected | Moisture | Protein | | Fat | | Fiber | | Ash | Nitrogen Free Extract |
|---|---|---|---|---|---|---|---|---|---|
| | | FOUND | Guaranteed | FOUND | Guaranteed | FOUND | Guaranteed | | |
| Baltimore | 13.35 | **10.35** | 10.00 | **2.55** | 1.50 | **2.55** | 5.00 | 1.55 | 69.65 |
| Baltimore | 11.38 | **19.04** | 18.00 | **4.35** | 1.50 | **6.58** | 12.00 | 9.77 | 48.88 |
| Berlin | 11.58 | **15.36** | 16.00 | **3.78** | 4.00 | **5.00** | 9.00 | 3.80 | 60.48 |
| Cumberland | 15.00 | **10.09** | 10.00 | **3.15** | 1.50 | **3.58** | 5.00 | 1.60 | 66.58 |
| Berlin | 9.43 | **24.05** | 24.00 | **5.60** | 5.00 | **10.70** | 14.00 | 6.30 | 43.92 |
| Cumberland | 12.35 | **8.95** | 8.00 | **3.60** | 2.50 | **13.70** | 12.00 | 7.55 | 53.85 |
| Cumberland | 12.38 | **9.39** | 8.00 | **5.98** | 3.00 | **10.88** | 10.00 | 5.60 | 55.77 |
| Greensboro | 11.60 | **13.86** | 14.00 | **3.33** | 3.00 | **7.88** | 10.00 | 5.20 | 58.13 |
| Greensboro | 12.75 | **12.69** | 14.00 | **2.55** | 3.50 | **2.28** | 6.00 | 2.05 | 67.68 |
| Baltimore | 9.08 | **45.19** | 42.00 | **1.85** | 1.00 | **3.75** | 6.00 | 5.37 | 34.76 |
| Baltimore | 10.75 | **27.86** | 23.00 | **2.35** | 1.00 | **8.55** | 8.00 | 5.25 | 45.24 |
| Taneytown | 7.45 | **23.48** | 20.00 | **6.80** | 5.00 | **15.35** | 17.00 | 3.70 | 43.22 |
| Mt. Airy | 7.53 | **25.10** | 20.00 | **6.23** | 5.00 | **14.65** | 17.00 | 3.60 | 42.89 |
| Baltimore | 8.55 | **10.84** | 10.00 | **2.29** | 2.00 | **11.77** | 15.00 | 5.25 | 61.30 |
| Baltimore | 9.35 | **11.62** | 10.00 | **1.72** | 1.50 | **14.25** | 18.00 | 7.80 | 56.26 |
| Ellicott City | 10.68 | **23.52** | 24.00 | **5.05** | 4.50 | **8.98** | 10.00 | 9.70 | 42.07 |
| Ellicott City | 11.30 | **19.93** | 20.00 | **5.05** | 4.00 | **8.83** | 11.00 | 8.40 | 46.49 |
| Frostburg | 11.30 | **19.83** | 20.00 | **4.93** | 4.00 | **9.45** | 11.00 | 7.35 | 47.14 |
| North East | 12.07 | **10.71** | 10.00 | **2.90** | 2.50 | **3.62** | 5.00 | 1.70 | 69.00 |
| Frostburg | 14.10 | **10.35** | 10.00 | **2.80** | 2.50 | **2.63** | 5.00 | 1.65 | 68.47 |
| Baltimore | 11.18 | **46.07** | 44.00 | **.78** | 1.00 | **4.80** | 6.50 | 6.56 | 30.61 |
| Baltimore | 10.63 | **48.44** | 44.00 | **.85** | 1.00 | **5.55** | 6.50 | 5.75 | 28.78 |
| Hyattsville | 11.30 | **13.78** | 11.50 | **3.95** | 3.50 | **2.50** | 3.80 | 8.05 | 60.42 |
| Baltimore | 9.20 | **10.88** | 10.00 | **2.73** | 2.50 | **2.58** | 5.00 | 1.47 | 73.12 |
| Baltimore | 13.75 | **10.71** | 9.00 | **3.90** | 3.50 | **3.55** | 6.00 | 1.75 | 66.34 |
| Baltimore | 11.58 | **13.91** | 10.00 | **3.33** | 2.50 | **1.98** | 5.00 | 1.90 | 67.30 |
| Baltimore | 11.33 | **17.81** | 17.50 | **5.15** | 4.50 | **4.38** | 7.00 | 9.51 | 51.82 |
| Baltimore | 12.15 | **21.32** | 20.00 | **4.18** | 4.00 | **5.78** | 9.00 | 8.37 | 48.20 |
| Westminster | 12.18 | **13.21** | 10.00 | **2.70** | 2.50 | **3.18** | 5.00 | 1.70 | 67.03 |
| Baltimore | 12.50 | **12.02** | 10.00 | **3.03** | 2.50 | **3.15** | 5.00 | 1.59 | 67.71 |
| Baltimore | 12.20 | **12.02** | 10.00 | **2.88** | 2.50 | **2.05** | 5.00 | 1.53 | 69.32 |
| Baltimore | 13.00 | **10.79** | 10.00 | **2.20** | 2.50 | **2.60** | 5.00 | 1.30 | 70.11 |
| Baltimore | 11.65 | **17.81** | 17.00 | **4.70** | 4.00 | **7.38** | 9.00 | 5.87 | 52.59 |
| Baltimore | 12.98 | **11.14** | 10.00 | **3.43** | 2.50 | **3.45** | 5.00 | 1.64 | 67.36 |
| Salisbury | 11.68 | **9.65** | 9.00 | **1.88** | 2.00 | **1.78** | 5.00 | 1.30 | 73.71 |
| Baltimore | 9.25 | **25.18** | 24.00 | **4.50** | 4.00 | **4.95** | 10.50 | 7.25 | 48.87 |
| Baltimore | 7.55 | **25.71** | 24.00 | **4.39** | 4.00 | **9.70** | 10.50 | 6.45 | 46.20 |
| Beltsville | 11.47 | **15.88** | 15.50 | **4.31** | 4.50 | **8.12** | 11.00 | 5.50 | 54.72 |
| Rockville | 9.24 | **18.68** | 16.00 | **4.45** | 4.00 | **13.80** | 13.50 | 6.57 | 47.26 |
| Baltimore | 6.60 | **19.22** | 16.00 | **4.48** | 4.00 | **14.68** | 13.50 | 6.13 | 48.89 |
| Baltimore | 9.03 | **16.94** | 15.00 | **5.85** | 5.00 | **6.58** | 6.50 | 8.60 | 53.00 |
| Baltimore | 12.50 | **10.62** | 10.00 | **2.48** | 2.00 | **1.85** | 5.00 | 1.30 | 71.25 |
| Laurel | 9.75 | **20.01** | 20.00 | **4.90** | 4.00 | **8.40** | 10.00 | 9.43 | 47.51 |
| Baltimore | 10.50 | **20.53** | 20.00 | **5.25** | 4.00 | **7.57** | 10.00 | 8.20 | 47.95 |
| Baltimore | 11.23 | **11.67** | 10.00 | **3.00** | 2.50 | **1.27** | 2.50 | 1.20 | 71.63 |
| Baltimore | 13.38 | **19.49** | 17.00 | **5.98** | 5.25 | **5.83** | 9.00 | 9.10 | 46.22 |

1924—Complete Analyses of Feeds Collected—1924—Continued.

| Name of Feed | Name of Manufacturer |
|---|---|
| Full-O-Pep Growing Mash | Quaker Oats Company, Chicago, Illinois |
| Green Cross Horse Feed | " " " " " |
| *Green Cross Horse Feed | " " " " " |
| Schumacher Feed | " " " " " |
| Schumacher Feed | " " " " " |
| Schumacher Little Chick Feed, No Grit | " " " " " |
| Schumacher Scratch Grains, No Grit | " " " " " |
| Sugared Schumacher Feed | " " " " " |
| Sugared Schumacher Feed | " " " " " |
| Baby Chick Chow Feed | Ralston Purina Company, St. Louis, Mo. |
| Calf Chow Feed | " " " " " |
| Chicken Chowder Feed | " " " " " |
| Chicken Chowder Feed | " " " " " |
| Chicken Fatena Feed | " " " " " |
| Chick Startena Feed, with Buttermilk | " " " " " |
| Cow Chow Feed | " " " " " |
| Cow Chow Feed | " " " " " |
| Cow Chow Feed | " " " " " |
| Hen Chow Feed | " " " " " |
| Intermediate Hen Chow | " " " " " |
| O Molene Feed | " " " " " |
| Pig Chow Feed | " " " " " |
| Pigeon Chow Feed | " " " " " |
| Protena Dairy Feed | " " " " " |
| Steer Fatena Feed | " " " " " |
| *Rein-o-la Chick Feed | Reindollar Bros. and Co., Taneytown, Md. |
| Rein-o-la Laying Mash | " " " " " " |
| Rein-o-la Scratch Feed | " " " " " " |
| Pure Wheat Bran | Reindollar Co., Taneytown, Maryland |
| Pure Wheat Middlings | " " " |
| Growing Mash | H. W. Rickey and Co., Salsbury, Maryland |
| Growing Mash | " " " " " |
| Laying Mash | " " " " " |
| Laying Mash | " " " " " |
| Laying Mash Special | " " " " " |
| *Laying Mash Special | " " " " " |
| *Laying Mash Special | " " " " " |
| Winner Horse Feed | Daniel Rider, Baltimore, Maryland |
| Winner Horse Feed | " " " " |
| Winner Laying Mash | " " " " |
| Supreme Laying Mash | G. C. Rieck, Preston, Maryland |
| Supreme Laying Mash | " " " " |
| Blackhawk Pure Wheat Bran | Robin Hood Mills Ltd. |
| Blackhawk Pure Wheat Bran | P'd. by Int'l. Milling Co., New Prague, Minn. |
| Blackhawk Reground Oat Feed | " " " " |
| Blackhawk Wheat Shorts, with Ground Scrn. n. ex. m. r. | " " " " |

*Star means deficient in Protein or Fat.
†Dagger means deficient in both Protein and Fat.

| Place Collected | Moisture | Protein | | Fat | | Fiber | | Ash | Nitrogen Free Extract |
|---|---|---|---|---|---|---|---|---|---|
| | | FOUND | Guaranteed | FOUND | Guaranteed | FOUND | Guaranteed | | |
| Rockville | 7.00 | **19.39** | 17.00 | **5.30** | 5.25 | **5.55** | 9.00 | 8.26 | 54.50 |
| Baltimore | 12.25 | **11.60** | 10.00 | **2.57** | 2.50 | **9.37** | 12.00 | 4.55 | 59.66 |
| Beltsville | 13.41 | **8.84** | 10.00 | **2.61** | 2.50 | **10.32** | 12.00 | 4.73 | 60.09 |
| Baltimore | 8.93 | **10.88** | 10.00 | **3.88** | 3.25 | **11.95** | 12.00 | 5.60 | 58.76 |
| Rockville | 8.75 | **10.53** | 10.00 | **4.00** | 3.25 | **11.85** | 12.00 | 4.42 | 60.45 |
| Rockville | 12.88 | **10.09** | 9.00 | **2.23** | 2.00 | **1.68** | 3.00 | 1.70 | 71.42 |
| Beltsville | 13.56 | **9.48** | 9.00 | **1.80** | 2.00 | **2.67** | 5.00 | 1.01 | 71.48 |
| Rockville | 8.55 | **10.64** | 10.00 | **3.88** | 3.25 | **11.82** | 12.00 | 4.51 | 60.60 |
| Walkersville | 9.55 | **10.88** | 10.00 | **3.40** | 3.25 | **12.10** | 12.00 | 5.20 | 58.87 |
| Church Hill | 11.78 | **9.92** | 10.00 | **2.38** | 2.00 | **1.95** | 4.00 | 1.40 | 72.57 |
| Baltimore | 11.55 | **26.68** | 27.00 | **3.83** | 3.20 | **3.35** | 4.50 | 3.70 | 50.89 |
| Mt. Airy | 11.30 | **20.18** | 19.00 | **5.20** | 4.00 | **8.23** | 9.00 | 7.20 | 47.89 |
| Gaithersburg | 9.08 | **19.83** | 19.00 | **5.18** | 4.00 | **7.85** | 9.00 | 7.00 | 51.06 |
| Baltimore | 11.68 | **13.60** | 12.00 | **4.65** | 4.60 | **4.63** | 6.60 | 3.30 | 62.14 |
| Gaithersburg | 8.35 | **17.81** | 17.00 | **5.40** | 4.00 | **6.80** | 7.50 | 6.12 | 55.52 |
| Bel Air | 13.00 | **24.79** | 24.00 | **4.30** | 4.30 | **10.70** | 12.00 | 6.00 | 41.21 |
| Mt. Airy | 9.60 | **24.43** | 24.00 | **4.61** | 4.30 | **10.78** | 12.00 | 5.20 | 45.38 |
| Gaithersburg | 10.70 | **23.59** | 24.00 | **4.48** | 4.30 | **10.95** | 12.00 | 5.69 | 44.59 |
| Gaithersburg | 9.73 | **11.50** | 10.00 | **2.25** | 2.50 | **3.00** | 4.00 | 1.54 | 71.98 |
| Baltimore | 14.30 | **10.44** | 10.00 | **2.50** | 2.50 | **2.25** | 4.00 | 1.10 | 69.41 |
| Mt. Airy | 10.72 | **10.72** | 9.70 | **3.63** | 3.20 | **7.34** | 8.00 | 3.70 | 63.89 |
| Baltimore | 12.05 | **21.67** | 20.00 | **4.68** | 3.20 | **7.88** | 8.00 | 7.55 | 46.17 |
| Baltimore | 11.95 | **15.27** | 12.00 | **1.95** | 2.00 | **3.15** | 4.00 | 2.30 | 65.38 |
| Church Hill | 9.75 | **16.50** | 16.50 | **3.51** | 3.50 | **12.60** | 12.00 | 7.00 | 50.64 |
| Taneytown | 11.85 | **13.02** | 13.00 | **2.47** | 2.10 | **9.15** | 10.00 | 6.86 | 56.65 |
| Taneytown | 12.60 | **10.09** | 10.00 | **3.20** | 4.00 | **1.78** | 3.00 | 1.55 | 70.78 |
| Taneytown | 10.85 | **22.64** | 19.00 | **3.93** | 4.00 | **6.33** | 8.00 | 7.75 | 48.50 |
| Taneytown | 13.88 | **10.27** | 10.00 | **3.43** | 4.00 | **3.20** | 3.00 | 1.45 | 67.77 |
| Taneytown | 10.50 | **16.67** | 14.00 | **3.70** | 4.00 | **8.88** | 9.00 | 6.80 | 53.45 |
| Taneytown | 11.10 | **18.25** | 16.00 | **4.68** | 4.50 | **4.65** | 5.00 | 3.40 | 57.92 |
| Salisbury | 10.05 | **19.80** | 19.00 | **4.78** | 5.00 | **7.60** | 6.00 | 6.85 | 50.92 |
| Salisbury | 13.40 | **19.04** | 19.00 | **5.03** | 5.00 | **6.03** | 6.00 | 6.40 | 50.10 |
| Salisbury | 10.38 | **22.29** | 22.00 | **5.83** | 5.00 | **9.18** | 8.50 | 7.25 | 45.07 |
| Salisbury | 13.03 | **22.55** | 22.00 | **4.73** | 5.00 | **6.70** | 8.50 | 7.20 | 45.79 |
| Salisbury | 10.75 | **24.48** | 24.00 | **4.90** | 5.00 | **8.25** | 8.50 | 8.15 | 43.47 |
| Salisbury | 11.73 | **23.69** | 24.00 | **4.05** | 5.00 | **8.83** | 8.50 | 7.70 | 44.00 |
| Salisbury | 12.83 | **24.31** | 24.00 | **4.15** | 5.00 | **6.75** | 8.50 | 7.90 | 44.06 |
| Baltimore | 7.25 | **10.60** | 9.00 | **3.50** | 2.00 | **8.56** | 14.00 | 5.60 | 64.49 |
| Baltimore | 9.12 | **10.00** | 9.00 | **3.68** | 2.00 | **6.27** | 14.00 | 3.54 | 67.39 |
| Baltimore | 10.60 | **22.73** | 20.00 | **8.00** | 5.00 | **5.83** | 7.00 | 8.05 | 44.79 |
| Preston | 11.58 | **21.94** | 20.00 | **6.83** | 5.00 | **5.90** | 8.00 | 7.70 | 46.05 |
| Preston | 10.20 | **21.94** | 20.00 | **5.67** | 5.00 | **5.71** | 8.00 | 7.60 | 48.88 |
| Hagerstown | 9.45 | **15.62** | 15.00 | **5.43** | 3.50 | **10.80** | 11.50 | 6.50 | 52.20 |
| Conowingo | 10.60 | **15.45** | 15.00 | **4.63** | 3.50 | **11.58** | 11.50 | 7.30 | 65.89 |
| Chestertown | 6.30 | **5.70** | 5.50 | **2.73** | 2.50 | **26.80** | 27.90 | 5.40 | 53.07 |
| Baltimore | 10.50 | **16.45** | 17.00 | **5.70** | 4.50 | **8.48** | 9.50 | 4.65 | 54.22 |

**1924—Complete Analyses of Feeds Collected—1924—Continued.**

| Name of Feed | Name of Manufacturer |
|---|---|
| *Blackhawk Wheat Shorts, with Ground Scrn. n. ex. m. r. | Robin Hood Mills, Ltd.—Cont. P'd by Int'l. Milling Co., New Prague, Minn. |
| Advance Chick Scratch No Grit | Rosenbaum Brothers, Chicago, Illinois |
| Advance Dairy Feed | " " " " |
| Advance Scratch Feed, No Grit | " " " " |
| Four-O-Clock Scratch Grains | " " " " |
| "77" Stock Feed | " " " " |
| *Vitality Chick Starter | " " " " |
| Vitality Egg Mash | " " " " |
| *Vitality Fine Chick Scratch | " " " " |
| Vitality Growing Mash | " " " " |
| Vitality Milk Ration | " " " " |
| Vitality Scratch Feed, No Grit | " " " " |
| Corn and Reground Oats Feed | Rowlandville Flour Mill, Rowlandville, Md. |
| "Roloco" 38.62% Protein Cotton Seed Meal. | Rowland Oil Company, Rowland, N. C. |
| †Pure Wheat Bran | M. V. Runkles, Mt. Airy, Maryland |
| *Pure Wheat Middlings | " " " " " |
| Hard Wheat Occident Mixed Feed | Russell-Miller Mlg. Co., Minneapolis, Minn. |
| Alta Hard Wheat Middlings | " " " " " " |
| "Hav-To-Grow" Chick Mash | Ryde and Company, Chicago, Illinois |
| "Startrite" Chick Food | " " " " " |
| Komo Wheat Stand. Middlings, with Ground Wheat Screenings n. ex. m. r. | St. Paul Milling Co., St. Paul, Minn. |
| Oriole Brand AA Pigeon Feed | Wm. G. Scarlett and Company, Balto., Md. |
| Oriole Brand AA Pigeon Feed | " " " " " " " |
| Oriole Brand AAA Pigeon Feed | " " " " " " " |
| Oriole Brand Beef Scraps | " " " " " " " |
| Oriole Brand Beef Scraps | " " " " " " " |
| *Oriole Brand Beef Scraps | " " " " " " " |
| Oriole Brand Chick Developer | " " " " " " " |
| *Oriole Brand Chick Starter | " " " " " " " |
| *Oriole Brand Chick Starter | " " " " " " " |
| Oriole Brand Dry Mash | " " " " " " " |
| Oriole Brand Dry Mash | " " " " " " " |
| Oriole Brand Scratch Feed | " " " " " " " |
| Oriole Brand Scratch Feed | " " " " " " " |
| *Oriole Brand Special Pigeon Feed | " " " " " " " |
| Oriole Brand Special Pigeon Feed | " " " " " " " |
| Esskay Quality Meat Scrap | Wm. Schluderberg-T. J. Kurdle Co., Balto., Md |
| Esskay Quality Meat Scrap | " " " " " " " |
| Esskay Quality Meat Scrap | " " " " " " " |
| †Esskay Quality Digester Tankage | " " " " " " " |
| Esskay Quality Poultry Bone | " " " " " " " |
| *Food Compound | Security Food Co., Minneapolis, Minn. |
| †Blue Hen Laying Mash | Selbyville Prods. Assn., Selbyville, Del. |

*Star means deficient in Protein or Fat.
†Dagger means deficient in both Protein and Fat.

| Place Collected | Moisture | Protein | | Fat | | Fiber | | Ash | Nitrogen Free Extract |
|---|---|---|---|---|---|---|---|---|---|
| | | FOUND | Guaranteed | FOUND | Guaranteed | FOUND | Guaranteed | | |
| Baltimore | 10.95 | **15.62** | 17.00 | **5.18** | 4.50 | **9.00** | 9.50 | 4.25 | 55.00 |
| Baltimore | 13.55 | **10.71** | 10.00 | **3.70** | 2.00 | **2.23** | 5.00 | 2.00 | 67.81 |
| Union Bridge | 12.25 | **17.11** | 16.00 | **4.03** | 3.50 | **9.90** | 14.00 | 9.10 | 47.61 |
| Frostburg | 14.13 | **10.62** | 10.00 | **3.50** | 2.00 | **3.50** | 6.00 | 1.55 | 66.70 |
| Baltimore | 14.20 | **10.09** | 10.00 | **2.50** | 2.75 | **2.40** | 3.00 | 1.41 | 69.40 |
| Frostburg | 11.23 | **9.39** | 9.00 | **3.40** | 3.50 | **13.45** | 15.00 | 6.33 | 56.20 |
| Baltimore | 11.85 | **15.62** | 15.00 | **3.97** | 5.00 | **5.15** | 6.00 | 7.13 | 56.28 |
| Baltimore | 12.05 | **21.67** | 20.00 | **4.30** | 4.00 | **5.75** | 8.00 | 9.29 | 46.94 |
| Baltimore | 12.52 | **12.51** | 10.00 | **3.98** | 5.00 | **2.00** | 3.00 | 1.63 | 67.36 |
| Baltimore | 11.73 | **17.47** | 15.00 | **4.90** | 5.00 | **6.13** | 6.00 | 5.89 | 53.88 |
| Frostburg | 11.00 | **23.96** | 24.00 | **5.00** | 5.00 | **8.40** | 10.00 | 5.60 | 46.04 |
| Baltimore | 12.05 | **10.79** | 10.00 | **2.75** | 2.50 | **2.82** | 5.00 | 1.60 | 69.99 |
| Rowlandville | 8.26 | **7.64** | 7.00 | **2.80** | 2.00 | **12.80** | 12.00 | 5.28 | 63.22 |
| Westminster | 9.55 | **38.61** | 38.62 | **7.10** | 5.00 | **11.37** | 10.00 | 6.45 | 26.92 |
| Mt. Airy | 12.63 | **14.74** | 16.00 | **3.63** | 5.00 | **9.98** | 10.00 | 6.94 | 52.08 |
| Mt. Airy | 12.00 | **14.92** | 15.00 | **3.63** | 5.00 | **3.13** | 6.00 | 2.70 | 63.62 |
| Cambridge | 12.20 | **17.11** | 15.50 | **5.60** | 4.50 | **8.50** | 9.50 | 5.45 | 51.14 |
| Cambridge | 11.90 | **16.94** | 15.50 | **5.83** | 4.50 | **7.13** | 8.50 | 4.35 | 53.85 |
| Easton | 10.65 | **17.64** | 16.00 | **4.88** | 4.00 | **4.73** | 5.00 | 6.10 | 56.00 |
| Easton | 10.45 | **15.09** | 14.00 | **5.65** | 4.00 | **3.55** | 3.25 | 6.50 | 58.76 |
| Baltimore | 11.78 | **15.45** | 15.00 | **4.53** | 4.50 | **8.68** | 9.50 | 4.54 | 55.02 |
| Baltimore | 13.05 | **14.04** | 13.00 | **3.40** | 3.50 | **3.33** | 4.00 | 1.87 | 64.31 |
| Baltimore | 11.20 | **12.99** | 13.00 | **3.50** | 3.50 | **3.98** | 4.00 | 1.90 | 66.43 |
| Baltimore | 13.28 | **18.43** | 16.00 | **3.05** | 3.00 | **4.65** | 4.00 | 2.03 | 58.56 |
| Baltimore | 6.75 | **51.78** | 50.00 | **13.53** | 12.00 | **1.83** | 1.00 | 25.60 | .51 |
| Baltimore | 7.55 | **50.41** | 50.00 | **14.68** | 12.00 | **2.00** | 1.00 | 23.48 | 1.88 |
| Baltimore | 8.85 | **44.96** | 50.00 | **13.50** | 12.00 | **1.95** | 1.00 | 20.18 | 10.56 |
| Baltimore | 10.08 | **10.97** | 10.60 | **3.78** | 3.70 | **4.29** | 2.00 | 1.95 | 68.93 |
| Baltimore | 13.58 | **10.71** | 10.60 | **2.40** | 3.70 | **2.15** | 2.00 | 1.56 | 69.40 |
| Baltimore | 12.08 | **10.79** | 10.60 | **2.60** | 3.70 | **2.93** | 2.00 | 1.60 | 70.00 |
| Baltimore | 10.00 | **19.83** | 20.00 | **4.40** | 4.00 | **12.28** | 11.00 | 6.90 | 46.59 |
| Baltimore | 10.70 | **21.67** | 20.00 | **5.10** | 4.00 | **9.45** | 11.00 | 7.96 | 45.12 |
| Baltimore | 13.33 | **10.79** | 10.50 | **3.40** | 3.50 | **2.58** | 4.00 | 1.54 | 68.36 |
| Baltimore | 12.83 | **10.62** | 10.50 | **4.40** | 3.50 | **3.90** | 4.00 | 2.00 | 66.25 |
| Baltimore | 10.50 | **14.17** | 16.00 | **3.50** | 3.50 | **4.38** | 4.00 | 2.10 | 65.35 |
| Baltimore | 13.33 | **15.62** | 16.00 | **3.13** | 3.50 | **3.50** | 4.00 | 2.22 | 62.20 |
| Baltimore | 6.30 | **54.41** | 50.00 | **10.90** | 6.00 | **2.25** | 5.00 | 23.15 | 2.99 |
| Baltimore | 6.55 | **50.72** | 50.00 | **12.63** | 6.00 | **2.28** | 5.00 | 26.97 | .85 |
| Baltimore | 7.75 | **50.72** | 50.00 | **8.85** | 6.00 | **2.05** | 5.00 | 28.15 | 2.48 |
| Baltimore | 6.05 | **58.31** | 60.00 | **7.10** | 8.00 | **2.05** | 5.00 | 23.43 | 3.06 |
| Baltimore | 7.25 | **23.87** | 20.00 | **1.88** | 2.00 | **1.38** | 5.00 | 65.45 | .18 |
| Bel Air | 10.43 | **14.35** | 9.80 | **3.13** | 4.50 | **4.93** | 6.00 | | |
| Powellville | 10.53 | **15.62** | 20.00 | **4.20** | 5.50 | **12.95** | 6.00 | 7.29 | 49.41 |

**1924—Complete Analyses of Feeds Collected—1924—Continued.**

| Name of Feed | Name of Manufacturer |
|---|---|
| Pure Wheat Bran | Ira C.Sewell, Cordova, Maryland |
| †Pure Wheat Middlings | " " " " " " |
| Pure Wheat Bran | Sherwood Roller Mills, Sandy Springs, Md. |
| †Pure Wheat Middlings | " " " " " " |
| "Swift Sure" Ground Meat Scrap | M. L. Shoemaker and Co., Philadelphia, Pa. |
| "Swift Sure" Ground Meat Scrap | " " " " " " |
| "Swift Sure" Ground Meat Scrap | " " " " " " |
| "Swift Sure" Ground Meat Scrap | " " " " " " |
| "Swift Sure" Ground Beef Scrap | " " " " " " |
| *"Swift Sure" Ground Beef Scrap | " " " " " " |
| *"Swift Sure" Ground Beef Scrap | " " " " " " |
| *"Swift Sure" Ground Beef Scrap | " " " " " " |
| "Swift Sure" Ground Beef Scrap | " " " " " " |
| Pure Wheat Bran | D. P. Smelser and Son, New Windsor, Md. |
| Pure Wheat Middlings | " " " " " " |
| "Gubernut" Peanut Meal | Sou. Oil and Feed Mills, Petersburg, Va. |
| | P'd by Wilkins Rogers Mlg Co., Wash'tn, D.C |
| Red Turkey Pure Wheat Bran | S. W. Milling Co., Inc., Kansas City, Mo. |
| Pure Old Process Oil Meal | Spencer Kellogg & Sons, Inc., Buffalo, N. Y. |
| Pure Old Process Oil Meal | " " " " " " " " |
| Pure Old Process Oil Meal | " " " " " " " " |
| Pure Old Process Oil Meal | " " " " " " " " |
| Pure Wheat Bran | Spry and Nickerson, Millington, Maryland |
| *Star Brand Beef Scrap | Star Food and Remedy Co., Inc., Wash., D.C. |
| Star Chic-A | " " " " " " " " " |
| Star Milk Mash | " " " " " " " " " |
| Star Milk Mash | " " " " " " " " " |
| Star Milk Mash | " " " " " " " " " |
| Star Scratch Feed | " " " " " " " " " |
| Star Scratch Feed | " " " " " " " " " |
| Golden Goose Corn and Oats Feed | E. Steen and Bro., Baltimore, Maryland |
| Blue Ridge Chick Feed | D. A. Stickell and Sons, Hagerstown, Md. |
| Blue Ridge Chick Feed | " " " " " " " " |
| Blue Ridge Dairy Feed | " " " " " " " " |
| Blue Ridge Dairy Feed | " " " " " " " " |
| Blue Ridge Dairy Feed | " " " " " " " " |
| Blue Ridge Egg Mash | " " " " " " " " |
| Blue Ridge Egg Mash | " " " " " " " " |
| Blue Ridge Egg Mash | " " " " " " " " |
| Choice Cotton Seed Meal | " " " " " " " " |
| †Choice Cotton Seed Meal | " " " " " " " " |
| Fancy Scratch Grains | " " " " " " " " |
| Intermediate Chick Feed | " " " " " " " " |
| Pure Soft Winter Wheat Bran | " " " " " " " " |
| Pure Soft Winter Wheat Middlings | " " " " " " " " |
| Stock Feed | " " " " " " " " |
| 25% Milk Ration | " " " " " " " " |

*Star means deficient in Protein or Fat.
†Dagger means deficient in both Protein and Fat.

| Place Collected | Moisture | Protein | | Fat | | Fiber | | Ash | Nitrogen Free Extract |
|---|---|---|---|---|---|---|---|---|---|
| | | FOUND | Guaranteed | FOUND | Guaranteed | FOUND | Guaranteed | | |
| Cordova | 13.10 | **13.43** | 14.00 | **4.55** | 3.50 | **8.18** | 10.00 | 5.65 | 55.09 |
| Cordova | 12.68 | **12.81** | 14.00 | **3.15** | 4.00 | **2.08** | 5.00 | 2.15 | 67.13 |
| Sandy Springs | 11.50 | **14.04** | 14.00 | **3.95** | 4.00 | **7.25** | 10.00 | 5.50 | 57.76 |
| Sandy Springs | 13.00 | **12.20** | 15.00 | **2.00** | 4.00 | **1.35** | 6.00 | 1.45 | 70.00 |
| Baltimore | 5.16 | **50.02** | 50.00 | **10.88** | 10.00 | **2.43** | 2.00 | 30.90 | .61 |
| Denton | 5.23 | **50.63** | 50.00 | **10.45** | 10.00 | **2.72** | 2.00 | 29.75 | 1.25 |
| Frederick | 5.80 | **52.30** | 50.00 | **11.53** | 10.00 | **2.95** | 2.00 | 26.95 | .95 |
| Baltimore | 5.33 | **49.03** | 50.00 | **12.30** | 10.00 | **2.63** | 2.00 | 30.40 | .31 |
| Frederick | 5.75 | **55.73** | 55.00 | **12.55** | 10.00 | **1.80** | 2.00 | 24.00 | .17 |
| Denton | 6.42 | **49.46** | 55.00 | **10.68** | 10.00 | **2.23** | 2.00 | 30.12 | 1.09 |
| Baltimore | 7.10 | **49.80** | 55.00 | **12.85** | 10.00 | **2.38** | 2.00 | 27.43 | .44 |
| Denton | 6.23 | **51.72** | 55.00 | **11.50** | 10.00 | **2.58** | 2.00 | 27.52 | .45 |
| Denton | 7.03 | **56.87** | 55.00 | **12.43** | 10.00 | **3.18** | 2.00 | 20.01 | .48 |
| New Windsor | 11.08 | **16.85** | 16.41 | **4.30** | 4.65 | **9.08** | 8.08 | 3.00 | 55.69 |
| New Windsor | 11.83 | **15.45** | 15.71 | **3.65** | 3.45 | **3.78** | 3.78 | 2.40 | 62.89 |
| Frederick | 11.38 | **38.70** | 38.00 | **8.05** | 7.00 | **11.10** | 10.00 | 5.61 | 25.16 |
| Hagerstown | 8.88 | **16.81** | 14.50 | **4.05** | 4.00 | **10.03** | 11.80 | 7.05 | 53.18 |
| Walkersville | 9.03 | **32.47** | 31.00 | **7.08** | 5.00 | **7.83** | 10.00 | 6.10 | 37.49 |
| Frederick | 10.03 | **35.45** | 34.00 | **6.10** | 5.00 | **8.50** | 10.00 | 5.10 | 34.82 |
| Baltimore | 9.10 | **34.05** | 34.00 | **6.38** | 5.00 | **8.78** | 10.00 | 4.85 | 36.84 |
| Baltimore | 9.80 | **33.68** | 34.00 | **6.88** | 5.00 | **8.53** | 10.00 | 5.15 | 35.96 |
| Millington | 13.95 | **13.82** | 14.00 | **4.05** | 3.50 | **6.63** | 10.00 | 5.58 | 55.97 |
| Clinton | 6.10 | **48.92** | 50.00 | **13.58** | 10.00 | **1.73** | 2.00 | 27.90 | 1.77 |
| Waldorf | 9.43 | **20.19** | 15.00 | **5.63** | 4.00 | **3.60** | 5.00 | 11.30 | 49.85 |
| Clinton | 10.95 | **21.67** | 20.00 | **5.55** | 5.00 | **5.30** | 7.00 | 7.55 | 48.98 |
| Hyattsville | 11.95 | **20.88** | 20.00 | **5.95** | 5.00 | **5.25** | 7.00 | 8.68 | 47.29 |
| Berwyn | 12.60 | **19.18** | 20.00 | **7.55** | 5.00 | **4.40** | 7.00 | 8.22 | 48.05 |
| Berwyn | 13.23 | **10.09** | 10.00 | **3.50** | 3.00 | **3.05** | 4.00 | 2.00 | 68.13 |
| Silver Hill | 13.60 | **10.27** | 10.00 | **3.85** | 3.00 | **2.50** | 4.00 | 1.75 | 68.03 |
| Baltimore | 10.90 | **10.35** | 9.00 | **4.73** | 3.50 | **5.55** | 4.00 | 2.35 | 66.12 |
| Hagerstown | 13.25 | **10.88** | 10.00 | **5.02** | 2.50 | **2.78** | 5.00 | 2.35 | 65.72 |
| Greensboro | 12.62 | **10.44** | 10.00 | **4.80** | 2.50 | **2.32** | 5.00 | 1.80 | 68.02 |
| Hagerstown | 10.50 | **21.50** | 21.00 | **4.50** | 4.50 | **10.10** | 13.00 | 7.50 | 45.90 |
| Hagerstown | 10.70 | **20.80** | 21.00 | **4.45** | 4.50 | **11.68** | 13.00 | 6.80 | 45.57 |
| Greensboro | 7.70 | **20.97** | 21.00 | **4.50** | 4.50 | **9.68** | 13.00 | 7.75 | 49.40 |
| Greensboro | 10.53 | **18.43** | 18.00 | **4.58** | 3.50 | **8.95** | 11.00 | 6.50 | 61.01 |
| Hagerstown | 9.48 | **18.78** | 18.00 | **4.53** | 3.50 | **11.15** | 11.00 | 11.10 | 44.96 |
| Hagerstown | 11.90 | **18.17** | 18.00 | **3.80** | 3.50 | **9.15** | 11.00 | 11.63 | 45.35 |
| Hagerstown | 5.85 | **41.59** | 41.00 | **7.10** | 7.00 | **8.70** | 10.00 | 7.40 | 29.36 |
| Greensboro | 7.50 | **39.40** | 41.00 | **6.32** | 7.00 | **10.30** | 10.00 | 7.22 | 29.26 |
| Hagerstown | 12.53 | **11.23** | 10.00 | **3.05** | 2.50 | **3.53** | 5.00 | 2.10 | 67.56 |
| Hagerstown | 12.78 | **10.71** | 10.00 | **3.33** | 2.50 | **2.38** | 5.00 | 1.50 | 69.30 |
| Hagerstown | 12.58 | **14.74** | 14.00 | **3.93** | 4.00 | **8.05** | 10.00 | 5.75 | 54.95 |
| Greensboro | 12.67 | **17.55** | 16.00 | **5.10** | 4.00 | **4.47** | 6.00 | 4.10 | 56.11 |
| Hagerstown | 10.53 | **9.21** | 8.00 | **3.23** | 3.25 | **7.28** | 12.00 | 6.05 | 63.70 |
| Hagerstown | 11.10 | **26.50** | 25.00 | **4.80** | 4.50 | **9.20** | 10.00 | 9.10 | 39.30 |

**1924—Complete Analyses of Feeds Collected—1924—Continued.**

| Name of Feed | Name of Manufacturer |
|---|---|
| 25% Milk Ration | D. A. Stickell and Sons, Hagerstown, Md. |
| Victor Dairy Feed | " " " " " " |
| Victor Dairy Feed | " " " " " " |
| Victor Dairy Feed | " " " " " " |
| Victor Scratch Grains | " " " " " " |
| *Zip 16% Dairy Feed | " " " " " " |
| Pure Flour Middlings | Stokes Milling Company, Watertown, S. D. |
| Standard Shorts, with Ground Screenings, n. ex. m. r. | " " " " " " |
| Fish Meal | Chas. M. Struven and Co., Baltimore, Md. |
| Fish Meal | " " " " " " |
| Fish Meal | " " " " " " |
| Peanut Meal | Suffolk Oil Mill, Suffolk, Virginia |
| Peanut Meal | " " " " " |
| *Peanut Meal | " " " " " |
| Peanut Meal | " " " " " |
| *Peanut Meal | " " " " " |
| *Peanut Meal | " " " " " |
| Pure Wheat Bran | Summit Milling Co., Gaithersburg, Md. |
| Pure Wheat Middlings | " " " " " |
| Digester Tankage | Swift and Company, Chicago, Illinois |
| *Digester Tankage | " " " " " |
| Eureka Meat and Bone Scraps | " " " " " |
| Eureka Meat and Bone Scraps | " " " " " |
| Eureka Meat and Bone Scraps | " " " " " |
| Gromeal for Hogs | " " " " " |
| *Gromeal for Hogs | " " " " " |
| Gromeal for Hogs | " " " " " |
| Gromeal for Hogs | " " " " " |
| Laymore Meat and Bone Scraps | " " " " " |
| Laymore Meat and Bone Scraps | " " " " " |
| Laymore Meat and Bone Scraps | " " " " " |
| Meat and Bone Scraps | " " " " " |
| Meat and Bone Scraps | " " " " " |
| 36% Protein Cotton Seed Meal | Swift and Co. Oil Mill, Columbia, S. C. |
| Tankage | Taneytown Reduction Plant, Taneytown, Md. |
| Tankage | P'd. by H. S. Mehring, Taneytown, Md. |
| *Prime Cotton Seed Meal | " " " " " |
| Golden Leaf Pure Bran | J. H. Taylor Company, Atlanta, Ga. |
| *Direct Dairy Feed | Tennant and Hoyt Co., Lake City, Minn. |
| *Servus Dairy Feed | Thomas-Boyce Feed Company, Attica, N. Y. |
| *Corn and Oat Feed | " " " " " " |
| *Corn and Oat Feed | Thomas and Company, Frederick, Maryland. |
| Dairy Feed | " " " " " |
| Dairy Feed | " " " " " |
| | " " " " " |

*Star means deficient in Protein or Fat.

| Place Collected | Moisture | Protein | | Fat | | Fiber | | Ash | Nitrogen Free Extract |
|---|---|---|---|---|---|---|---|---|---|
| | | FOUND | Guaranteed | FOUND | Guaranteed | FOUND | Guaranteed | | |
| Hagerstown | 11.15 | **24.31** | 25.00 | **4.40** | 4.50 | **9.75** | 10.00 | 7.50 | 42.89 |
| Hagerstown | 10.03 | **17.81** | 18.00 | **4.33** | 4.50 | **14.10** | 14.00 | 8.30 | 45.43 |
| Hagerstown | 9.88 | **17.99** | 18.00 | **4.35** | 4.50 | **12.70** | 14.00 | 7.95 | 47.13 |
| Myersville | 7.50 | **16.50** | 18.00 | **4.18** | 4.50 | **14.80** | 14.00 | 8.02 | 49.00 |
| Hagerstown | 12.88 | **10.35** | 10.00 | **3.38** | 2.50 | **2.73** | 5.00 | 1.95 | 68.71 |
| Hagerstown | 10.23 | **15.23** | 16.00 | **3.53** | 4.50 | **15.45** | 14.00 | 7.80 | 47.76 |
| Cumberland | 10.88 | **16.50** | 14.70 | **4.98** | 3.70 | **3.50** | 3.80 | 3.70 | 60.44 |
| Cumberland | 11.73 | **16.06** | 16.10 | **4.93** | 4.90 | **6.28** | 7.10 | 1.55 | 59.45 |
| Baltimore | 10.85 | **58.27** | 55.00 | **5.28** | 4.00 | **.50** | 2.00 | 19.55 | 5.55 |
| Baltimore | 8.50 | **58.80** | 55.00 | **8.33** | 4.00 | **1.00** | 2.00 | 18.30 | 5.07 |
| Hagerstown | 6.62 | **58.06** | 55.00 | **7.02** | 4.00 | **1.39** | 2.00 | 19.35 | 7.56 |
| Baltimore | 9.07 | **40.02** | 41.00 | **8.28** | 6.00 | **7.02** | 15.00 | 8.45 | 27.16 |
| Baltimore | 8.92 | **40.04** | 41.00 | **8.62** | 6.00 | **7.13** | 15.00 | 8.40 | 26.89 |
| Baltimore | 9.30 | **38.87** | 41.00 | **8.95** | 6.00 | **6.20** | 15.00 | 5.53 | 31.15 |
| Baltimore | 9.30 | **40.98** | 41.00 | **8.95** | 6.00 | **5.90** | 15.00 | 8.37 | 26.50 |
| Baltimore | 9.45 | **38.62** | 41.00 | **10.18** | 6.00 | **6.07** | 15.00 | 5.45 | 30.23 |
| Laurel | 7.80 | **39.14** | 41.00 | **7.70** | 6.00 | **7.58** | 15.00 | 6.40 | 31.38 |
| Gaithersburg | 11.85 | **14.74** | 14.00 | **3.68** | 4.00 | **7.28** | 10.00 | 5.90 | 56.55 |
| Gaithersburg | 11.40 | **16.67** | 15.00 | **5.08** | 4.00 | **4.58** | 6.00 | 3.40 | 58.87 |
| Walkersville | 7.83 | **62.48** | 60.00 | **6.63** | 5.00 | **3.68** | 3.00 | 18.85 | .53 |
| Pocomoke City | 9.63 | **59.50** | 60.00 | **7.00** | 5.00 | **2.35** | 3.00 | 19.55 | 1.97 |
| Pocomoke City | 8.60 | **55.37** | 55.00 | **10.80** | 6.00 | **2.50** | 3.00 | 21.38 | 1.35 |
| Taneytown | 8.35 | **54.76** | 55.00 | **11.38** | 6.00 | **1.83** | 3.00 | 23.10 | .58 |
| Walkersville | 6.08 | **55.81** | 55.00 | **16.13** | 6.00 | **2.38** | 3.00 | 18.95 | .65 |
| Hagerstown | 6.75 | **52.30** | 50.00 | **11.23** | 3.00 | **2.28** | 5.00 | 25.45 | 1.99 |
| Hagerstown | 6.75 | **46.80** | 50.00 | **8.76** | 3.00 | **2.55** | 5.00 | 29.15 | 5.99 |
| Taneytown | 6.75 | **50.28** | 50.00 | **8.77** | 3.00 | **3.03** | 5.00 | 25.40 | 5.77 |
| Pocomoke City | 9.15 | **54.93** | 50.00 | **10.45** | 3.00 | **2.60** | 5.00 | 21.60 | 1.27 |
| Hagerstown | 7.58 | **46.50** | 45.00 | **14.10** | 6.00 | **2.60** | 3.00 | 27.30 | 1.92 |
| Hagerstown | 7.25 | **45.90** | 45.00 | **12.50** | 6.00 | **2.23** | 3.00 | 30.45 | 1.67 |
| Pocomoke City | 7.60 | **46.86** | 45.00 | **11.95** | 6.00 | **2.75** | 3.00 | 29.18 | 1.66 |
| Baltimore | 4.80 | **51.07** | 50.00 | **14.40** | 6.00 | **3.33** | 3.00 | 25.00 | 1.40 |
| Walkersville | 8.00 | **50.46** | 50.00 | **12.02** | 6.00 | **2.63** | 3.00 | 25.50 | 1.39 |
| Baltimore | 7.23 | **37.29** | 36.00 | **6.73** | 5.00 | **11.05** | 12.00 | 6.30 | 31.40 |
| Taneytown | 6.85 | **38.93** | 32.00 | **21.73** | 15.00 | **3.23** | 8.00 | 27.40 | 1.86 |
| Taneytown | 5.93 | **37.91** | 32.00 | **17.80** | 15.00 | **4.75** | 8.00 | 22.30 | 11.31 |
| Baltimore | 8.78 | **36.02** | 38.62 | **6.90** | 6.00 | **13.00** | 10.00 | 6.41 | 28.89 |
| Middletown | 10.20 | **14.92** | 14.00 | **5.12** | 4.00 | **8.33** | 11.00 | 6.00 | 55.43 |
| Baltimore | 10.60 | **22.69** | 24.00 | **4.75** | 5.00 | **8.93** | 10.00 | 5.45 | 47.58 |
| Baltimore | 11.50 | **18.34** | 20.00 | **4.68** | 4.50 | **9.28** | 12.00 | 4.85 | 51.35 |
| Frederick | 11.08 | **7.90** | 8.00 | **2.50** | 3.00 | **17.53** | 20.00 | 4.90 | 56.09 |
| Middletown | 10.50 | **7.16** | 8.00 | **2.46** | 3.00 | **17.80** | 20.00 | 5.00 | 57.08 |
| Adamstown | 9.98 | **21.86** | 16.50 | **2.68** | 2.00 | **9.95** | 16.00 | 5.59 | 49.94 |
| Frederick | 11.38 | **17.64** | 16.50 | **6.10** | 2.00 | **10.58** | 16.00 | 5.95 | 48.35 |

1924—Complete Analyses of Feeds Collected—1924—Continued.

| Name of Feed | Name of Manufacturer |
|---|---|
| Dairy Feed | Thomas and Company, Frederick, Maryland. |
| *Dairy Feed | " " " " " " |
| *Dairy Feed | " " " " " " |
| Victory Dairy Feed | " " " " " " |
| Victory Dairy Feed | " " " " " " |
| *Corno Hy-Grade Oat Feed | Three Minute Cereals Co. |
| Corno Hy-Grade Oat Feed | Corno Mills Co., Proprietor, Cedar Rapids, Ia. |
| Corno Hy-Grade Oat Feed | " " " " " " " |
| Corno Hy-Grade Oat Feed | " " " " " " " |
| Camp's Flaked Corn and Oats | Toledo Grain and Milling Co., Toledo, Ohio |
| Laying Mash | J. T. Towson and Son, Smithsburg, Maryland |
| Greenboy Horse Feed | Transit Milling Co., Cincinnati, Ohio |
| Greenboy Horse Feed | " " " " " " |
| Horse Feed | " " " " " " |
| Horse Feed | " " " " " " |
| Pure Wheat Bran | Trappe Milling Company, Trappe, Md. |
| †Pure Wheat Middlings | " " " " " " |
| "Union Grains" Biles Ready Dairy Ration. | Ubiko Milling Company, Cincinnati, Ohio |
| "Union Grains" Biles Ready Dairy Ration. | " " " " " " |
| "Union Grains" Biles Ready Dairy Ration. | " " " " " " |
| Unicorn Corn Gluten Feed | Union Starch and Refining Co., Columbus, O. |
| Vico High Protein Meat Scraps | Van Iderstine Co., Long Island City, N. Y. |
| Vico Quality Meat Scraps | " " " " " " " |
| Vico Meat Scraps | " " " " " " " |
| Eventually Gold Medal Chick Feed | Washburn Crosby Co., Minneapolis, Minn. |
| Eventually Gold Medal Developing Feed | " " " " " " |
| Eventually Gold Medal Hard Wheat Middlings and Wheat Screenings | " " " " " " |
| Eventually Gold Medal Scratch Feed No Grit | " " " " " " |
| Eventually Gold Medal Vitamin Dairy Ratn. | " " " " " " |
| Eventually Gold Medal Vitamin Egg Mash | " " " " " " |
| *Gold Medal Corn Feed Meal | " " " " " " |
| North Star Molasses Dairy Rations | " " " " " " |
| North Star Scratch Feed, No Grit | " " " " " " |
| Foxall Hog Feed | C. B. Watkins and Company, Balto., Md. |
| *Foxall Hog Feed | " " " " " " " |
| Foxall Laying Mash | " " " " " " " |
| *Peerless Scratch Feed | " " " " " " " |
| "Tea Table" Wheat Bran and Screenings and Ground Wheat Screenings | Weber Flour Mills Company, Salina, Kansas |
| Star Brand Cotton Seed Meal | A. C. Westervelt and Co., Memphis, Tenn. |
| | P'd. by Park and Pollard Co., Buffalo, N. Y. |
| Dollar Black Horse Feed | Western Feed Mfgrs., Inc., Chicago, Ill. |
| *Sincerity Corn Oats and Barley | " " " " " " " |
| Sincerity Chick Mash | " " " " " " " |
| *Sincerity Egg Mash | " " " " " " " |

*Star means deficient in Protein or Fat.
†Dagger means deficient in both Protein and Fat.

| Place Collected | Moisture | Protein | | Fat | | Fiber | | Ash | Nitrogen Free Extract |
|---|---|---|---|---|---|---|---|---|---|
| | | FOUND | Guaranteed | FOUND | Guaranteed | FOUND | Guaranteed | | |
| Frederick | 11.62 | **17.92** | 16.50 | **2.88** | 2.00 | **12.16** | 16.00 | 5.08 | 50.34 |
| Gaithersburg | 9.98 | **12.49** | 16.50 | **1.63** | 2.00 | **18.38** | 16.00 | 6.04 | 51.48 |
| Middletown | 9.80 | **12.59** | 16.50 | **1.79** | 2.00 | **17.49** | 16.00 | 7.06 | 51.27 |
| Frederick | 9.55 | **27.34** | 24.00 | **4.50** | 3.00 | **10.33** | 14.00 | 4.90 | 43.38 |
| Gaithersburg | 10.40 | **26.06** | 24.00 | **4.25** | 3.00 | **10.10** | 14.00 | 6.40 | 42.79 |
| Baltimore | 8.43 | **12.86** | 14.00 | **3.95** | 4.00 | **18.73** | 18.00 | 5.67 | 50.36 |
| Baltimore | 8.36 | **13.57** | 14.00 | **4.86** | 4.00 | **18.15** | 18.00 | 5.85 | 49.21 |
| Baltimore | 8.27 | **13.83** | 14.00 | **3.96** | 4.00 | **18.58** | 18.00 | 5.80 | 49.56 |
| Frederick | 7.05 | **14.13** | 14.00 | **4.73** | 4.00 | **16.48** | 18.00 | 5.85 | 51.76 |
| Baltimore | 10.23 | **10.35** | 10.00 | **4.25** | 4.00 | **5.55** | 8.00 | 2.36 | 67.26 |
| Smithsburg | 11.80 | **20.49** | 20.00 | **5.55** | 4.00 | **6.50** | 9.00 | 8.85 | 46.81 |
| Baltimore | 10.78 | **10.73** | 9.00 | **3.19** | 3.00 | **9.65** | 12.00 | 5.40 | 60.25 |
| Baltimore | 12.67 | **10.40** | 9.00 | **3.37** | 3.00 | **9.23** | 12.00 | 4.85 | 59.48 |
| Baltimore | 12.50 | **9.60** | 8.50 | **3.65** | 2.50 | **8.45** | 10.00 | 4.27 | 61.53 |
| Baltimore | 10.55 | **9.42** | 8.50 | **3.42** | 2.50 | **8.12** | 10.00 | 4.10 | 64.39 |
| Trappe | 11.98 | **14.65** | 14.00 | **4.65** | 3.50 | **7.63** | 10.00 | 4.50 | 56.59 |
| Trappe | 13.45 | **12.29** | 14.00 | **2.48** | 4.00 | **1.53** | 5.00 | 1.49 | 68.76 |
| Mt. Airy | 9.78 | **24.75** | 24.00 | **5.73** | 5.00 | **9.15** | 10.00 | 4.40 | 46.19 |
| Walkersville | 10.10 | **23.96** | 24.00 | **5.63** | 5.00 | **9.90** | 10.00 | 6.20 | 44.21 |
| Smithsburg | 9.75 | **24.13** | 24.00 | **5.18** | 5.00 | **9.25** | 10.00 | 5.60 | 46.09 |
| Westminster | 10.59 | **28.35** | 23.00 | **1.63** | 2.00 | **6.75** | 8.00 | 5.00 | 47.68 |
| Frederick | ------ | **54.14** | 55.00 | **12.58** | 5.00 | **3.33** | 3.00 | ------ | ------ |
| Baltimore | 7.33 | **53.53** | 50.00 | **14.10** | 5.00 | **3.23** | 3.00 | 19.95 | 1.86 |
| Easton | 5.73 | **48.88** | 45.00 | **13.68** | 5.00 | **3.28** | 3.00 | 24.92 | 3.51 |
| Oakland | 13.28 | **10.18** | 10.00 | **2.78** | 2.50 | **3.05** | 5.00 | 1.85 | 68.86 |
| Oakland | 13.85 | **10.35** | 10.00 | **2.73** | 2.50 | **3.85** | 5.00 | 1.65 | 67.57 |
| Laurel | 12.43 | **16.32** | 15.00 | **4.75** | 4.00 | **7.70** | 9.50 | 5.05 | 53.75 |
| Baltimore | 13.23 | **10.18** | 10.00 | **2.65** | 3.00 | **3.53** | 4.00 | 1.60 | 68.81 |
| Baltimore | 10.85 | **19.83** | 20.00 | **5.13** | 5.00 | **6.73** | 8.50 | 5.00 | 52.46 |
| Baltimore | 10.48 | **22.46** | 22.00 | **5.28** | 5.50 | **7.38** | 8.50 | 6.70 | 47.70 |
| Baltimore | 13.73 | **9.83** | 8.00 | **3.33** | 5.00 | **2.88** | 10.00 | 1.35 | 68.88 |
| Elkton | 8.71 | **16.74** | 16.00 | **5.65** | 5.00 | **11.18** | 12.00 | 8.00 | 49.72 |
| Baltimore | 13.60 | **10.18** | 10.00 | **2.60** | 2.50 | **2.95** | 5.00 | 1.60 | 69.07 |
| Baltimore | 10.05 | **17.46** | 15.25 | **4.83** | 2.98 | **8.58** | 7.33 | 6.40 | 52.68 |
| Baltimore | 11.10 | **12.90** | 15.25 | **5.53** | 2.98 | **7.18** | 7.33 | 5.95 | 57.34 |
| Baltimore | 9.68 | **22.82** | 20.00 | **6.08** | 4.85 | **7.83** | 7.10 | 8.95 | 44.64 |
| Baltimore | 11.78 | **10.27** | 10.00 | **2.85** | 4.25 | **2.88** | 2.75 | 1.40 | 70.82 |
| Cumberland | 10.83 | **15.80** | 14.50 | **4.08** | 3.50 | **9.53** | 11.50 | 6.30 | 53.46 |
| Reisterstown | 7.30 | **40.81** | 41.00 | **6.90** | 5.50 | **12.88** | 10.00 | 5.80 | 26.31 |
| Oakland | 13.98 | **10.71** | 10.00 | **3.65** | 3.00 | **6.08** | 8.00 | 2.40 | 63.18 |
| Oakland | 13.73 | **10.44** | 10.00 | **2.95** | 4.00 | **7.40** | 12.00 | 4.60 | 60.88 |
| Cumberland | 12.50 | **17.38** | 16.00 | **4.10** | 4.00 | **5.78** | 6.00 | 10.60 | 49.64 |
| Cumberland | 13.30 | **16.15** | 18.00 | **4.08** | 4.00 | **5.58** | 8.00 | 5.20 | 55.69 |

**1924—Complete Analyses of Feeds Collected—1924—Continued.**

| Name of Feed | Name of Manufacturer |
|---|---|
| *Sincerity Egg Mash | Western Feed Mfgrs., Inc., Chicago, Ill. |
| *Sincerity Growing Mash | " " " " " " |
| *Sincerity Growing Mash | " " " " " " |
| Calumet Dairy Feed | Western Grain Products Co., Hammond, Ind. |
| Hammond Dairy Feed | " " " " " " |
| *Egg Mash | Westover Mills, Westover, Maryland |
| *Pure Wheat Bran | " " " " |
| Pure Wheat Bran | " " " " |
| *Pure Wheat Middlings | " " " " |
| Pure Wheat Middlings | " " " " |
| Scratch Feed | " " " " |
| Buttermilk Laying Mash | D. S. Weybright, Thurmont, Maryland |
| Buttermilk Laying Mash | " " " " |
| Cremor Dairy Feed | Wilkins Rogers Mlg. Co., Washington, D. C. |
| *Grassy Mead Dairy Feed | " " " " " " |
| Grassy Mead Dairy Feed | " " " " " " |
| Intermediate Scratch Feed | " " " " " " |
| Pure Wheat Bran | " " " " " " |
| Pure Wheat Middlings | " " " " " " |
| Red Hen Egg Mash | " " " " " " |
| Red Hen Scratch Feed | " " " " " " |
| Repeater Baby Chick | " " " " " " |
| Repeater Egg Mash | " " " " " " |
| *Red "W" Brand Digester Tankage | Wilson and Company, Chicago, Illinois. |
| Red "W" Brand Digester Tankage | " " " " " " |
| *Red "W" Brand Digester Tankage | " " " " " " |
| Red "W" Brand Meat Scraps | " " " " " " |
| *Red "W" Brand Meat Scraps | " " " " " " |
| Red "W" Brand Meat Scraps | " " " " " " |
| Red "W" Brand Meat Scraps | " " " " " " |

*Star means deficient in Protein or Fat.

| Place Collected | Moisture | Protein | | Fat | | Fiber | | Ash | Nitrogen Free Extract |
|---|---|---|---|---|---|---|---|---|---|
| | | FOUND | Guaranteed | FOUND | Guaranteed | FOUND | Guaranteed | | |
| Cumberland | 12.53 | **16.41** | 18.00 | **4.38** | 4.00 | **5.70** | 8.00 | 5.60 | 55.38 |
| Cumberland | 12.35 | **16.11** | 18.00 | **4.85** | 4.00 | **6.20** | 8.00 | 5.80 | 54.69 |
| Cumberland | 13.03 | **15.80** | 18.00 | **4.88** | 4.00 | **5.80** | 8.00 | 5.55 | 54.94 |
| Mt. Airy | 10.20 | **20.76** | 20.00 | **4.06** | 4.00 | **10.40** | 13.50 | 8.30 | 46.28 |
| Gaithersburg | 13.95 | **16.41** | 16.50 | **4.39** | 4.00 | **11.05** | 13.50 | 9.41 | 44.79 |
| Westover | 9.18 | **21.81** | 22.00 | **7.43** | 7.50 | **5.58** | 6.00 | 10.03 | 45.97 |
| Westover | 11.83 | **13.08** | 14.50 | **3.65** | 3.50 | **9.15** | 10.00 | 6.00 | 66.29 |
| Westover | 12.95 | **15.62** | 14.50 | **3.40** | 3.50 | **8.63** | 10.00 | 5.85 | 53.55 |
| Westover | 12.40 | **14.48** | 14.00 | **3.23** | 4.00 | **2.98** | 5.00 | 2.55 | 64.36 |
| Westover | 12.93 | **13.69** | 14.00 | **3.83** | 4.00 | **2.75** | 5.00 | 2.90 | 63.90 |
| Westover | 12.78 | **10.88** | 11.00 | **3.73** | 3.00 | **3.03** | 3.00 | 1.85 | 67.73 |
| Thurmont | 9.93 | **22.55** | 20.00 | **4.78** | 4.50 | **5.13** | 12.00 | 7.30 | 50.31 |
| Thurmont | 11.80 | **23.65** | 20.00 | **4.73** | 4.50 | **4.70** | 12.00 | 8.55 | 46.57 |
| Laurel | 10.85 | **19.92** | 20.00 | **4.78** | 5.00 | **8.35** | 8.00 | 5.80 | 50.30 |
| Gaithersburg | 6.68 | **24.57** | 26.00 | **5.18** | 5.00 | **9.03** | 9.00 | 5.79 | 48.75 |
| Rockville | 7.40 | **25.18** | 26.00 | **5.00** | 5.00 | **9.10** | 9.00 | 5.59 | 47.73 |
| Silver Spring | 12.35 | **9.92** | 10.00 | **2.83** | 3.00 | **1.65** | 3.00 | 1.40 | 71.85 |
| Hyattsville | 11.68 | **15.97** | 16.00 | **3.65** | 4.00 | **10.31** | 9.00 | 7.05 | 51.34 |
| Hyattsville | 11.95 | **17.11** | 15.50 | **5.55** | 4.00 | **4.95** | 7.00 | 4.90 | 55.54 |
| Silver Spring | 9.70 | **24.31** | 22.00 | **5.88** | 5.00 | **6.30** | 8.00 | 8.80 | 45.01 |
| Sykesville | 11.10 | **10.35** | 10.00 | **3.40** | 3.50 | **2.85** | 4.00 | 1.50 | 70.80 |
| Silver Spring | 11.98 | **10.00** | 10.00 | **3.05** | 3.00 | **1.82** | 3.00 | 1.60 | 71.55 |
| Rockville | 11.15 | **23.87** | 22.00 | **6.30** | 5.00 | **5.78** | 9.00 | 7.80 | 45.10 |
| Baltimore | 8.08 | **53.36** | 60.00 | **6.80** | 6.00 | **1.80** | 3.00 | 23.60 | 6.36 |
| Baltimore | 15.43 | **60.29** | 60.00 | **5.95** | 6.00 | **4.75** | 3.00 | 13.52 | .06 |
| Baltimore | 15.63 | **58.60** | 60.00 | **5.90** | 6.00 | **4.08** | 3.00 | 14.00 | 1.79 |
| Cambridge | 5.91 | **54.98** | 55.00 | **8.25** | 6.00 | **2.33** | 3.00 | 28.02 | .51 |
| Cambridge | 4.68 | **52.61** | 55.00 | **8.70** | 6.00 | **2.68** | 3.00 | 30.64 | .69 |
| Baltimore | 8.08 | **51.51** | 50.00 | **8.50** | 6.00 | **2.45** | 3.00 | 29.30 | .16 |
| St. Michaels | 7.09 | **49.32** | 50.00 | **8.35** | 6.00 | **2.90** | 3.00 | 31.15 | 1.19 |